



No. 12
22 MARCH 2003



UNITED STATES OF AMERICA

NOTICE TO MARINERS



Published Weekly by the
National Imagery and Mapping Agency

Prepared Jointly with the
National Ocean Service and U.S. Coast Guard

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Visit the Maritime Safety Information Division website at
<http://pollux.nss.nima.mil/>



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IMPORTANT INFORMATION

The Notice to Mariners is published by the National Imagery and Mapping Agency (NIMA), under the authority of Department of Defense Directive 5105.40, to advise mariners of important matters affecting navigational safety, including new hydrographic discoveries, changes in channels and navigational aids, etc. (U.S. Code Title 10, Sec. 442 and Title 44, Sec. 1336 refer). Nothing in the arrangement of information implies endorsement or acceptance by NIMA in matters affecting the status and boundaries of States and territories. The Notice to Mariners presents corrective information affecting charts, NIMA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NIMA List of Lights, Radio Navigational Aids and other products produced by the National Imagery and Mapping Agency, National Ocean Service and U.S. Coast Guard.

Information for the Notice to Mariners is contributed by the following Agencies: National Imagery and Mapping Agency (NIMA) (Department of Defense) for waters outside the territorial limits of the United States; National Ocean Service (NOS) (Department of Commerce), which is charged with the surveys and charting of the coasts and harbors of the United States and its territories; the U.S. Coast Guard (USCG) (Department of Transportation), which is responsible for the safety of life at sea and the establishment and operation of aids to navigation; and the U.S. Army Corps of Engineers (Department of Defense), which is charged with the improvement of rivers and harbors of the United States. In addition, important contributions are made by foreign hydrographic offices and cooperating observers of all nationalities.

For further information concerning NIMA hydrographic products and services, including the Maritime Safety Information Website, users may contact:

<u>Name</u>	<u>Telephone</u>	<u>DSN</u>	<u>FAX</u>
Maritime Safety Information Division	301-227-5006	287-5006	301-227-5745
World-Wide Navigational Warning Service	301-227-3147	287-3147	301-227-3731
Fleet Liaison Officer	301-227-3120	287-3120	301-227-4211
Maritime Safety Information Website	301-227-3296	287-3296	301-227-4211
Notice to Mariners: Regions 1 and 2	301-227-3122	287-3122	301-227-3175
Notice to Mariners: Regions 3, 4, 5	301-227-3146	287-3146	301-227-3175
Notice to Mariners: Regions 6 thru 9	301-227-3146	287-3146	301-227-3175
Sailing Directions, Fleet Guides	301-227-3183	287-3183	301-227-3174
Navigation Science Publications	301-227-3120	287-3120	301-227-3731
Distribution Issues	301-227-7652	287-7652	301-227-4211

The Maritime Safety Information Website can be accessed via the NIMA Homepage (www.nima.mil) under the Safety of Navigation link or directly at (<http://pollux.nss.nima.mil>). For your convenience NIMA provides three e-mail addresses. For information affecting Notice to Mariners use NavNotices@nima.mil, for information affecting Sailing Directions and all other navigational publications use SDPUBS@nima.mil, for information concerning the Maritime Safety Information Website, use webmaster_nss@nima.mil.

Mariners are requested to notify NIMA of discrepancies in charts and publications, using the Marine Information Report and Suggestion Sheet at the back of this Notice to Mariners. This form should also be used to report permanent changes, additions, or deletions from charted or published information. Reports which constitute an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. All reports are greatly appreciated.

Cover Photo: Serving our nation proudly since her commissioning on June 3rd, 1978 the **USS BRISCOE (DD-977)** is the fifteenth destroyer in a series of thirty-one *SPRUANCE* class destroyers. Built by the Ingalls Shipbuilding Division of Litton Industries in Pascagoula, MS, she bears the name of Admiral Robert P. Briscoe, USN, who served with distinction during WWI, WWII and the Korean Conflict. The *SPRUANCE* class destroyers were developed for the primary mission of anti-submarine warfare, including operations as an integral part of attack carrier forces. Utilizing highly developed weapons systems, the **BRISCOE** can hunt down and destroy high speed submarines in all weather, but can also engage ships, aircraft and shore targets. As a multi-purpose combatant, the **BRISCOE** is capable of providing naval gunfire support in conjunction with Marine amphibious operations worldwide. At 564 feet in length and a beam of 55 feet, she is twice as large as a WWII destroyer and as large as a WWII cruiser. The **BRISCOE**'s formidable armament includes two 5-inch/54 caliber lightweight guns, one MK-41 VLS for Tomahawk cruise missiles, MK-46 torpedoes, Harpoon missile launchers, one Sea Sparrow launcher, one Rolling Airframe Missile System and two 20mm Phalanx CIWS. The **BRISCOE**'s 80,000 SHP and twin controllable-pitch screws can propel her to 30+ knots. A high degree of automation permits a reduced crew of 352 Sailors and 30 Officers. The homeport of the **USS BRISCOE** is Norfolk, Virginia.

INFORMATION
OF
SPECIAL INTEREST
OR
IMPORTANCE
TO
MARINERS

NM 12/03

HYDROGRAM

**National Imagery and Mapping Agency
Bethesda, MD 20816-5003**

SPECIAL
ANNOUNCEMENTS

NEW PRODUCTS
OR SERVICES

IMPORTANT
CHANGES

22 March 2003

UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE

THE UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE (NIS), OPERATED BY THE USCG NAVIGATION CENTER, PROVIDES INFORMATION FOR ALL RADIONAVIGATION SYSTEMS. SEE SECTION III.

EXPLANATION OF CONTENTS

The Notice to Mariners contains corrective information affecting nautical charts, the NIMA Hydrographic Products Catalog, Coast Pilots, Sailing Directions, Fleet Guides, USCG Light Lists, NIMA List of Lights, Radio Navigational Aids and other related nautical publications. The information contained in these corrections is important to safe navigation. It is the user's responsibility to decide which of their charts and publications require correction. Consult the U.S. Coast Guard Local Notice to Mariners for information pertaining to waterways within the United States that are not normally used by oceangoing vessels. Because of the sometimes transitory nature of aids to navigation, depths and port information, local area sources should be consulted whenever possible. This publication is not required to be maintained intact. Portions may be separated for correction or attachment to an affected product. The Notice to Mariners is divided into the following sections:

Section I-1 contains corrections to nautical charts listed in numeric order by chart number. Each chart correction listed applies only to that particular chart. Related charts, if any, will have their own specific correction listed separately. Users should also refer to U.S. Chart 1 Nautical Chart Symbols, Abbreviations and Terms for additional information pertaining to the correcting of charts. The illustration below describes the elements that comprise a typical chart correction:



A chart correction preceded by:

- ★ indicates that it is based upon original U.S. source information.
 - T indicates that it is temporary in nature.
 - P indicates that it is preliminary, and that permanent corrective action will appear in a future Notice to Mariners.
- The letter M immediately following the chart number indicates that the correction should be applied to the metric side of the chart only. The letter M is not a part of the chart number.
- The letter N preceding the current Notice to Mariners number indicates that the affected chart is on Limited Distribution and is normally only for use by U.S. Navy, government-owned or -chartered vessels.
- Courses and bearings are given in degrees true.
- Light sectors are expressed in degrees true from the vessel TOWARD the light.
- The visible range(s) listed for lights is normally the nominal range (the distance at which it can be seen in clear weather), expressed in nautical miles, except in the Great Lakes where it is expressed in statute miles.
- The colors of structures and lights of navigational aids are abbreviated in accordance with Chart 1.
- Section I-2*** contains all chartlets, depth tabulations and notes associated with the chart corrections in Section I-1. Chartlets and depth tabulations supersede all previous information portrayed.
- Section I-3** lists all NIMA and NOS charts which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the oldest Summary of Corrections or the chart's announcement, whichever is later.

Section II-1 is a weekly listing of corrections to the NIMA Hydrographic Products Catalog, including new charts and publications. It also contains the latest price category information.

Section II-2* contains corrections to navigation publications, including Sailing Directions, Coast Pilots, Fleet Guides, Radio Navigational Aids (Pub. 117), *The American Practical Navigator* and other related nautical publications.

Section II-3* lists weekly updates to the USCG Light Lists.

Section II-4* lists weekly updates to the NIMA List of Lights.

Section II-5 lists all NIMA, NOS and USCG navigation publications which have been affected by Notice to Mariners and the notice numbers which have affected them since the date of the publication's announcement.

Section III-1 lists the message number of all in-force Navigational Warnings, and the text of those warnings promulgated during the previous week. Notice to Mariners Nos. 13, 26 and 39 list a summary of all in-force Navigational Warnings for the preceding quarter. Notice to Mariners No. 52 lists a complete summary of all in-force Navigational Warnings.

Section III-2 contains miscellaneous information of particular interest to the maritime community.

*The left-hand pages of these sections are intentionally blank.

**SECTION I
CHART CORRECTIONS**

1114A	Ed. 11/17/01 LAST NM 11/03 Change Legend to "Obstn Fish Haven (auth min depth 3fms)" (NOS)	12/03 27°51.2'N 82°59.0'W	★11491 33Ed. 3/24/01 LAST NM 38/02 (Side A) Relocate Buoy "18" from 30°23'15.4"N 81°26'18.9"W to 30°23'16.2"N 81°26'20.3"W Buoy "20" from 30°23'03.5"N 81°26'31.1"W to 30°23'04.7"N 81°26'31.8"W Buoy "22" from 30°22'54.0"N 81°26'55.2"W to 30°22'55.1"N 81°26'55.9"W (2/03 CG7)	12/03
11009	36Ed. 10/20/01 LAST NM 6/03 Relocate Superbuoy ODAS "41001" from 34°40.4'N 72°13.5'W to and delete legend "PA" (NTM0002/2003)	12/03 34°41.0'N 72°39.7'W	11493 9Ed. 2/3/01 LAST NM N39/02 Relocate Light "64" from 30°48'35.7"N 81°31'11.3"W to 30°48'38.3"N 81°31'12.7"W (2/03 CG7)	N12/03
11378	32Ed. 1/03 LAST NM 11/03 (Side A) Change Range light, rear (Fl G 2.5s 54ft) to FG 54ft 30°20'45"N 87°18'29"W Range light, front to Fl 2.5s 15ft (Day), Fl G 2.5s 18ft (Night) 30°24'26"N 87°11'36"W (USCG LL)	12/03 30°20'45"N 87°18'29"W 30°24'26"N 87°11'36"W	★11503 39Ed. 7/02 LAST NM 43/02 Relocate Light "64" from 30°48'35.7"N 81°31'11.4"W to 30°48'38.3"N 81°31'12.7"W (2/03 CG7)	12/03
11400	34Ed. 11/17/01 LAST NM 11/03 Change Legend to "Obstn Fish Haven (auth min depth 3fms)" (NOS)	12/03 27°51.2'N 82°59.0'W	11504 15Ed. 4/28/01 LAST NM 29/01 Relocate Light "64" from 30°48'35.9"N 81°31'11.7"W to 30°48'38.3"N 81°31'12.7"W (2/03 CG7)	12/03
★11412	41Ed. 8/02 LAST NM 11/03 Add Obstruction "(Fish Haven) (auth min depth 17½ft)" [K46.2] bound by dotted line joining 27°51'49"N 83°01'57"W 27°51'49"N 83°01'42"W 27°51'34"N 83°01'42"W 27°51'34"N 83°01'57"W (NOS)	12/03	11507 31Ed. 12/02 LAST NM 9/03 (Side A) Delete Light flare symbol 32°04'58"N 80°59'01"W Note: Light flare symbol close N remains Light flare symbol 32°05'35"N 80°59'22"W Note: Light flare symbol close N remains (NOS)	12/03
11416	5Ed. 8/02 LAST NM 11/03 Delete Legend "PA" from light (3/03 CG7)	12/03 27°42'45"N 82°32'20"W	★11524 46Ed. 12/02 LAST NM 11/03 Delete Purple solid line between 32°49'06.0"N 79°55'39.0"W 32°49'02.9"N 79°55'46.0"W Add Purple solid line between 32°49'06.0"N 79°55'39.0"W 32°49'14.6"N 79°55'49.3"W (NOS)	12/03
★11466	35Ed. 6/3/00 LAST NM 9/03 Delete Buoy Buoy (3/03 CG7)	12/03 26°04'10"N 80°04'37"W 26°01'58"N 80°05'31"W	★12200 47Ed. 8/02 LAST NM 7/03 Add Superbuoy ODAS [Q58] "41001" Y, Fl(4) Y 20s 34°41.0'N 72°39.7'W (NTM0002/2003)	12/03
11467	37Ed. 9/02 LAST NM 4/03 (Side A) Delete Buoy Buoy (3/03 CG7)	12/03 26°04'10"N 80°04'37"W 26°01'58"N 80°05'31"W	12201 25Ed. 7/17/99 LAST NM N7/03 Add Superbuoy ODAS [Q58] "41001" Y, Fl(4) Y 20s 34°41.0'N 72°39.7'W (NTM0002/2003)	N12/03
11469	5Ed. 5/19/01 LAST NM 9/03 Delete Buoy Buoy (3/03 CG7)	12/03 26°04'10"N 80°04'38"W 26°01'59"N 80°05'28"W	★12281 49Ed. 5/13/00 LAST NM 15/02 Add Height 15ft to light "13" 39°15'18.8"N 76°36'40.3"W (7/03 CG5)	12/03
11470	36Ed. 1/03 LAST NM 10/03 Delete Buoy (3/03 CG7)	12/03 26°04'10.3"N 80°04'36.5"W	12327 96Ed. 11/02 LAST NM 8/03 Relocate Buoy "KV" from 40°39'01"N 74°03'51"W to 40°38'55"N 74°03'48"W Add Buoy "A" W Or 40°40'33"N 74°03'33"W (6/03 CG1)	12/03
★11481	4Ed. 8/02 LAST NM 6/03 Relocate Buoy "D" from 28°27'36"N 80°28'05"W to 28°27'37"N 80°28'08"W (3/03 CG7)	12/03	12333 32Ed. 10/02 LAST NM 5/03 Relocate Buoy "KV" from 40°39'01.3"N 74°03'51.3"W to 40°38'55.2"N 74°03'48.1"W (6/03 CG1)	12/03
11489	34Ed. 12/02 LAST NM 8/03 (Side A) Relocate Light "64" from 30°48'36"N 81°31'11"W to 30°48'38"N 81°31'13"W (Side B) Relocate Buoy "18" from 30°23'15"N 81°26'19"W to 30°23'16"N 81°26'20"W Buoy "20" from 30°23'04"N 81°26'31"W to 30°23'05"N 81°26'32"W Buoy "22" from 30°22'54"N 81°26'55"W to 30°22'55"N 81°26'56"W (2/03 CG7)	12/03 81°31'11"W to 81°31'13"W 81°26'19"W to 81°26'20"W 81°26'31"W to 81°26'32"W 81°26'55"W to 81°26'56"W	★12334 65Ed. 1/03 LAST NM 10/03 Relocate Buoy "KV" from 40°39'01.3"N 74°03'51.5"W to 40°38'55.2"N 74°03'48.1"W Add Buoy "A" W Or 40°40'33.1"N 74°03'33.0"W (6/03 CG1)	12/03
			13003 46Ed. 1/03 LAST NM 9/03 Relocate Superbuoy ODAS "41001" from 34°40.5'N 72°13.5'W to and delete legend "PA" (NTM0002/2003)	12/03 34°41.0'N 72°39.7'W

SECTION I

SECTION I

NM 12/03

★18500	28Ed.	2/23/02	LAST NM 39/02	12/03		(Page C)	
	Delete	Depth 3½ fathoms	46°43.9'N 124°07.1'W		Change (NOS)	Legend to "43 FT APR 2002"	37°54'20"N 122°25'20"W
Substitute	Depth 5¾ fathoms for 7¼ fathoms	46°46.6'N 124°08.3'W					
	Depth 3 fathoms for 3¾ fathoms	46°45.1'N 124°08.1'W					
	Depth 5¼ fathoms for 3¾ fathoms	46°43.7'N 124°09.8'W					
	Depth 3½ fathoms for 2½ fathoms	46°43.4'N 124°07.2'W					
Add	Depth 4 fathoms	46°46.6'N 124°07.7'W					
	Depth 2 fathoms	46°46.3'N 124°07.3'W					
	Depth 2¾ fathoms	46°43.8'N 124°08.2'W					
(NOS)	Depth 4¼ fathoms	46°44.0'N 124°07.4'W					
18504	64Ed.	4/11/98	LAST NM 52/02	12/03			
	Add (NOS)	Depth 16 feet	46°43'45.0"N 124°08'09.4'W				
★18521	69Ed.	6/02	LAST NM 10/03	12/03			
	Add	Position circle "TOWER (STROBE)"	46°10'07"N 123°44'00"W				
		Position circle "TOWER"	46°09'57"N 123°54'48"W				
(NOS)							
★18523	53Ed.	9/15/01	LAST NM 4/03	12/03			
	Delete	Depth 28 feet	46°15'14"N 123°36'32"W				
Substitute	Depth 27 feet for 9 feet	46°11'49"N 123°25'36"W					
	Depth 22 feet for 28 feet	46°14'04"N 123°26'02"W					
	Depth 36 feet for 67 feet	46°10'58"N 123°25'55"W					
	Depth 31 feet for 47 feet	46°09'28"N 123°24'07"W					
Add (NOS)	Depth 22 feet	46°15'14"N 123°36'36"W					
★18583	38Ed.	11/4/00	LAST NM 49/02	12/03			
	Delete	Depth 27 feet	44°01'53"N 124°08'45"W				
	Depth 22 feet	44°01'16"N 124°08'50"W					
	Depth 36 feet	44°01'22"N 124°08'59"W					
	Depth 14 feet	44°01'08"N 124°08'55"W					
	(See 31/02-18583)						
Substitute	Depth 19 feet for 24 feet	44°01'45.6"N 124°08'45.8"W					
	Depth 25 feet for 29 feet	44°01'34.7"N 124°08'52.2"W					
	Depth 40 feet for 45 feet	44°00'44.5"N 124°09'10.2"W					
	Depth 20 feet for 15 feet	44°00'27.3"N 124°08'42.9"W					
	Depth 7 feet for 11 feet	44°01'07.0"N 124°08'31.0"W					
Add (NOS)	Depth 20 feet	44°01'53.0"N 124°08'43.1"W					
	Depth 21 feet	44°01'07.6"N 124°08'56.0"W					
★18651	41Ed.	6/30/01	LAST NM 4/03	12/03			
	Change	Legend to "28 FEET FOR WIDTH OF 500 FEET JUN 2002"	37°40'20"N 122°19'45"W				
(NOS)							
★18652	31Ed.	9/29/01	LAST NM 7/03	12/03			
	(Page A)	Legend to "43 FT APR 2002"	37°54'20"N 122°25'20"W				
	Change	Legend to "52 FT 2002"	37°46'55"N 122°35'08"W				
		Legend to "28 FEET FOR WIDTH OF 500 FEET JUN 2002"	37°40'00"N 122°19'40"W				
		(Page B, Inset 5)					
Change	Legend to "SOUTH HAMPTON SHOAL CHANNEL 43 FT APR 2002"	37°54'33"N 122°25'20"W					
	Note to "RICHMOND HARBOR CHANNEL DEPTHS"						
	Controlling depths for project widths in feet at MLLW: Feb 1999-Aug 2002						
	Entrance Channel 35.4						
	Point Potrero Reach 31.9						
	Point Potrero Turn 32.7						
	Harbor Channel 36.1						
	Santa Fe Channel 28.2						
	Turning Basin 24.1	37°55'45"N 122°19'10"W					
	(See 41/02-18652)						
	Change (NOS)						
18654	42Ed.	4/6/02	LAST NM 49/02	12/03			
	Substitute	Depth 15 feet for 21 feet	38°03'50.4"N 122°16'02.8"W				
(NOS)							
★18655	58Ed.	12/22/01	LAST NM 49/02	12/03			
	Substitute	Depth 15 feet for 21 feet	38°03'50.4"N 122°16'02.8"W				
(NOS)							
★18685	31Ed.	5/16/98	LAST NM 6/03	12/03			
	Add	Tabulation of controlling depths from Subsection I-2					
(NOS)							
18720	31Ed.	7/29/00	LAST NM 10/03	12/03			
	Add (NOS)	Buoy "W", spar (Priv)	34°09.9'N 119°16.5'W				
★18725	26Ed.	10/11/97	LAST NM 6/03	12/03			
	Relocate	Buoy "OB2" from 34°07'24"N 119°10'30"W to	34°07'22"N 119°10'32"W				
		Buoy (undesignated) from 34°07'27"N 119°10'33"W to	34°07'26"N 119°10'27"W				
	Add (NOS)	Buoy "W", spar (Priv) Buoy (mooring) [Q40]	34°09'54"N 119°16'27"W 34°07'07"N 119°16'39"W				
18740	39Ed.	7/28/01	LAST NM 6/03	12/03			
	Add	"DANGER AREA FIRING RANGE" bound by shore and purple dashed line joining	32°36.6'N 117°08.1'W 32°36.5'N 117°10.4'W 32°35.5'N 117°10.4'W 32°35.6'N 117°08.0'W				
(NOS)							
18741	18Ed.	9/9/95	LAST NM N50/02	N12/03			
	Add	"DANGER AREA FIRING RANGE" bound by shore and purple dashed line joining	32°36.6'N 117°08.1'W 32°36.5'N 117°10.4'W 32°35.5'N 117°10.3'W 32°35.6'N 117°07.9'W				
(NOS)							
18765	15Ed.	2/16/02	LAST NM 50/02	12/03			
	Add	"DANGER AREA FIRING RANGE" bound by shore and purple dashed line joining	32°36'37"N 117°08'06"W 32°36'32"N 117°10'24"W 32°35'33"N 117°10'22"W 32°35'38"N 117°07'58"W				
(NOS)							
18766	7Ed.	11/26/83	LAST NM 50/02	12/03			
	Add	"DANGER AREA FIRING RANGE" bound by shore and purple dashed line joining	32°36.6'N 117°08.1'W 32°36.5'N 117°10.4'W 32°35.5'N 117°10.3'W 32°35.6'N 117°07.9'W				
(NOS)							
18768	4Ed.	3/11/95	LAST NM N50/02	N12/03			
	Add	"DANGER AREA FIRING RANGE" bound by shore and purple dashed line joining	32°36.6'N 117°08.1'W 32°36.5'N 117°10.4'W 32°35.5'N 117°10.3'W 32°35.6'N 117°07.9'W				
(NOS)							

SECTION I

★18772	46Ed. 8/1/98 LAST NM 50/02 Add "DANGER AREA FIRING RANGE" bound by shore and purple dashed line joining (NOS)	12/03	22222 1Ed. 4/14/90 LAST NM 4/03 Change Visibility (range) of light to 20M (5(68)02 Valparaiso)	12/03
★18773	38Ed. 7/28/01 LAST NM 10/03 Add Tabulation of controlling depths from Subsection I-2 (NOS)	12/03	22225 2Ed. 11/2/96 LAST NM 23/01 Change Light to Fl 5s 18m 20M Add Wreck [K29] (5(67, 68)02 Valparaiso)	12/03 23°38.7'S 70°24.7'W 23°01.0'S 70°26.1'W
★19359	10Ed. 8/15/98 LAST NM 21/01 Delete Buoy "10" Add Buoy "S" GR, can (7/03 CG14)	12/03	22250 2Ed. 12/2/95 LAST NM 42/02 Substitute Racon for R Bn at light (5(569)03 Taunton)	12/03 29°56.0'S 71°20.5'W
21140	1Ed. 7/9/88 LAST NM 50/02 Add "DANGER AREA FIRING RANGE" bound by shore and purple dashed line joining (NOS)	12/03	22251 11Ed. 7/19/97 LAST NM 21/00 Add Wreck [K29] (5(67)02 Valparaiso)	12/03 23°01'14"S 70°26'20"W
21301	13Ed. 7/15/89 LAST NM 3/03 Delete Anchorage symbol (See 1/02-21301) Add Anchorage area bound by dashed line joining Obscured sector 140°-310° to light Pilot station symbol (Plan) Delete Dotted line (obscured sector limit), dotted-line arrow and legend "OBSC" between Change Characteristic of light to Fl R 3s Add Dotted line (obscured sector limit) between (NTM0006/2003; Mex LL)	12/03	22275 3Ed. 5/10/97 LAST NM 42/02 Substitute Racon for R Bn at light (5(569)03 Taunton)	12/03 29°56.0'S 71°20.5'W
22050	4Ed. 4/5/97 LAST NM 19/02 (Panel A) Add Buoy "2" R, pillar, Fl R 3s (11(18)02 Guayaquil)	12/03	22281 9Ed. 1/25/97 LAST NM 26/01 Substitute Racon for R Bn at light (5(569)03 Taunton)	12/03 29°56.2'S 71°20.5'W
22100	3Ed. 10/26/96 LAST NM 32/02 Add Buoy (mooring) [Q40] with legend "Buoys (2)" (9(15)02 Guayaquil)	12/03	22282 17Ed. 12/28/91 LAST NM 19/02 Substitute Racon for R Bn at light (5(569)03 Taunton)	12/03 29°56'01"S 71°20'32"W
22113	8Ed. 1/2/99 LAST NM 30/02 (Plan) Add Buoy "TP 7" G, can, Fl G 5s (11(22)02 Guayaquil)	12/03	22283 3Ed. 3/30/89 LAST NM N19/02 Substitute Racon for R Bn "RT-RF" at light (5(569)03 Taunton)	12/03 29°56'01.0"S 71°20'31.5"W
22205	2Ed. 12/13/97 LAST NM 16/02 Add Wreck [K29] (5(67)02 Valparaiso)	12/03	22294 15Ed. 10/12/96 LAST NM 31/01 Add Buoy Y, conical, "X" topmark, Fl(3+1) Y 20s (3(31)02 Valparaiso)	12/03 33°35'28.2"S 71°37'07.8"W
22221	20Ed. 8/31/96 LAST NM 20/02 (Plan D) Change Visibility (range) of light to 20M (5(68)02 Valparaiso)	12/03	22351 1Ed. 10/2/51 LAST NM N43/02 Delete Depth 146 meters Depth 15 meters Depth 15 meters Depth 12 meters Substitute Depth 21 meters for 43 meters Add Depth 12 meters enclosed by danger circle Depth 1.2 meters enclosed by danger circle Depth 0.3 meter enclosed by danger circle Depth 16 meters enclosed by danger circle Depth 17 meters enclosed by danger circle Depth 5.8 meters enclosed by danger circle Depth 8.9 meters enclosed by danger circle Rock awash [K12] (10(1093)01 Taunton; Chile CH 7240, 7390)	N12/03 42°17.2'S 73°18.9'W 42°22.7'S 73°21.2'W 42°26.7'S 73°16.8'W 42°26.5'S 73°23.5'W 42°20.1'S 73°05.3'W 42°17.2'S 73°18.7'W 42°22.7'S 73°21.6'W 42°26.8'S 73°16.5'W 42°31.3'S 73°05.5'W 42°32.4'S 73°33.8'W 42°35.8'S 73°14.6'W 42°35.2'S 73°16.0'W 42°26.7'S 73°23.7'W
22352	6Ed. 2/1/97 LAST NM 39/01 Delete Depth 146 meters Depth 15 meters Depth 15 meters Depth 12 meters Substitute Depth 21 meters for 43 meters Add Depth 16 meters enclosed by danger circle Depth 8.9 meters enclosed by danger circle	12/03 42°17.2'S 73°18.5'W 42°22.4'S 73°20.7'W 42°26.6'S 73°16.5'W 42°26.3'S 73°23.1'W 42°20.0'S 73°04.8'W 42°31.2'S 73°05.1'W 42°34.9'S 73°15.4'W		

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NM 12/03

22352	(Continued)			
	Depth 17 meters enclosed by danger circle	42°32.3'S 73°33.5'W	Solid line (jetty) [F14] joining	12°26'31.0"N 69°56'19.9"W 12°26'29.0"N 69°56'20.5"W 12°26'27.7"N 69°56'17.3"W
	Depth 1.2 meters enclosed by danger circle	42°22.6'S 73°21.2'W	Delete	(Plan C) Depth 11.3 meters
	Depth 12 meters enclosed by danger circle	42°17.2'S 73°18.2'W	Add	Depth 10.2 meters (See 42/97-24463) (5/571)03 Taunton)
	Depth 0.3 meter enclosed by danger circle	42°26.7'S 73°16.2'W		
	Depth 5.8 meters	42°35.8'S 73°14.4'W		
	Rock awash [K12]	42°26.4'S 73°23.4'W		
	(10/1093)01 Taunton; Chile CH 7240, 7390			
22521	3Ed. 9/24/94 LAST NM 34/01	12/03	25849	13Ed. 6/3/95 LAST NM 42/02
Delete	Dangerous wreck	0°53'42"S 89°37'18"W	Add	(Plan B) Chartlet, depicting changes in hydrography, topography and aids to navigation, from Subsection I-2
Add	Dangerous wreck [K28] Buoy "Jessica" BR, can, Fl 5s	0°53'29"S 89°37'06"W 0°53'40"S 89°37'24"W		18°26'30.0"N 69°18'54.0"W
	(11/30, 31)02 Guayaquil			
22523	3Ed. 5/21/94 LAST NM 34/01	12/03	26320	5Ed. 8/29/92 LAST NM 7/03
Delete	Dangerous wreck	0°53'42"S 89°37'18"W	Delete	Buoy
Add	Dangerous wreck [K28] Buoy "Jessica" BR, can, Fl 5s	0°53'29"S 89°37'06"W 0°53'40"S 89°37'24"W		26°04.2'N 80°04.6'W 26°02.0'N 80°05.5'W
	(11/30, 31)02 Guayaquil			
22529	3Ed. 9/3/94 LAST NM 12/97	12/03	28302	16Ed. 10/10/98 LAST NM 40/02
Add	Buoy "Villamil" BR, can, Fl 5s	0°57'47"S 90°58'45"W	Add	Hulk symbol [F34]
	(11/32)02 Guayaquil		Add	(Plan) Hulk symbol [F34]
22531	2Ed. 4/30/83 LAST NM 31/96	12/03		(6/715)03 Taunton)
Add	Buoy "Villamil" BR, can, Fl 5s	0°57'41"S 90°58'44"W		19°12'38"N 96°03'22"W
	(11/32)02 Guayaquil			
23131	7Ed. 10/8/83 LAST NM 31/02	12/03	P 36005	(INT 1070) 2Ed. 2/24/96 LAST NM 46/02
Delete	Anchorage symbol (large vessels)	38°35'24"S 58°41'27"W	Delete	Traffic separation scheme and inshore traffic zone in vicinity
Add	"Foul Ground Area" bound by shore and purple dashed line joining	38°34'57"S 58°43'21"W 38°37'24"S 58°41'18"W 38°35'36"S 58°34'54"W 38°33'33"S 58°36'18"W		48°40.0'N 5°30.0'W
				48°57.0'N 5°28.0'W 49°11.0'N 4°56.0'W 49°24.0'N 4°38.0'W 49°34.0'N 4°11.0'W 49°46.0'N 3°51.0'W
	(Plan)		Add	Purple tint area (traffic separation zone) bound by limit joining
Add	Legend "Foul Ground Area"	38°35'07.0"S 58°40'38.2"W		49°02.0'N 5°36.8'W 49°01.1'N 5°36.1'W 48°55.6'N 5°50.6'W 48°42.0'N 6°01.6'W 48°42.6'N 6°02.8'W 48°56.4'N 5°51.6'W
23151	3Ed. 10/26/96 LAST NM 45/97	12/03		Purple tint area (traffic separation zone) bound by limit joining
Delete	Tower symbol and legend "RADAR SCANNER"	51°41.0'S 57°46.3'W		48°57.0'N 5°32.5'W 48°52.8'N 5°28.6'W 48°48.6'N 5°39.6'W 48°37.4'N 5°48.6'W 48°39.7'N 5°55.2'W 48°52.1'N 5°45.0'W
	(6/709)03 Taunton			
23152	3Ed. 10/12/96 LAST NM 37/02	12/03		Purple tint area (traffic separation zone) bound by limit joining
Delete	Tower symbol and legend "RADAR SCANNER"	51°41.0'S 57°46.3'W		48°48.6'N 5°25.1'W 48°39.7'N 5°14.7'W 48°30.6'N 5°26.3'W 48°35.1'N 5°42.3'W 48°45.0'N 5°34.3'W
	(6/709)03 Taunton			
23153	8Ed. 12/14/96 LAST NM 31/02	12/03		Purple tint area (traffic separation zone) bound by limit joining
Delete	Tower symbol and legend "RADAR SCANNER"	51°41'02"S 57°46'19"W		48°38.0'N 5°12.9'W 48°37.2'N 5°11.9'W 48°29.4'N 5°22.1'W 48°29.8'N 5°23.5'W
	(6/709)03 Taunton			
24463	6Ed. 6/3/95 LAST NM 39/02	12/03		Purple composite line (inshore traffic zone limit) between
Change	Legend to "Lights in line 057.5°"	12°26'33"N 69°57'33"W		48°37.2'N 5°11.9'W 48°28.0'N 5°01.4'W
Add	Depth 19.6 meters enclosed by depth contour (20-meter)	12°37'38"N 70°04'20"W		
	(Plan A)			
Delete	Range line and legend "Lights in line 059°" between	12°26'54.5"N 69°56'56.0"W 12°26'35.0"N 69°57'28.3"W		Purple composite line (inshore traffic zone limit) between
				48°29.4'N 5°22.1'W 48°25.4'N 5°08.0'W
Add	Range line extending in 237.5° direction from 12°26'54.5"N 69°56'56.0"W dashed for 250 meters, thence solid for 850 meters			
	Legend "Lights in line 057.5°" along above range line	12°26'38.0"N 69°57'21.0"W		

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P 36005	(Continued)		
	Open-outlined arrow indicating flow of traffic [M10] oriented 225°	48°37.0'N 5°15.0'W	48°29'23"N 5°22'03"W 48°29'48"N 5°23'30"W
	Open-outlined arrow indicating flow of traffic [M10] oriented 045°	48°33.5'N 5°22.5'W	Purple composite line (inshore traffic zone limit) between 48°37'12"N 5°11'54"W 48°28'00"N 5°01'24"W
	Legend "INSHORE TRAFFIC ZONE" 48°33.0'N 5°15.0'W Note: The above change to the Traffic Separation Scheme has been adopted by the IMO and will become effective at 0000 GMT on 1 May 2003 (NTM0041/2002)		Purple composite line (inshore traffic zone limit) between 48°29'23"N 5°22'03"W 48°25'21"N 5°08'00"W
37005	16Ed. 8/2/97 LAST NM 5/03 Add Foul ground symbol [K31]	12/03 53°55.9'N 7°13.1'E	Open-outlined arrow indicating flow of traffic [M10] oriented 240°
	Swept depth 20.8 meters Wk [K27] (43(87)02 Hamburg)	53°52.0'N 7°11.3'E	48°58'00"N 5°36'45"W
37010	23Ed. 9/7/96 LAST NM 10/03 Add Foul ground symbol [K31]	12/03 53°55.9'N 7°13.1'E	Open-outlined arrow indicating flow of traffic [M10] oriented 208°
	Swept depth 20.8 meters Wk [K27] (43(87)02 Hamburg)	53°52.0'N 7°11.3'E	48°42'15"N 5°57'30"W
P 37050	9Ed. 6/29/96 LAST NM 10/03 Delete Traffic separation scheme and "Inshore Traffic Zone" in vicinity	12/03 48°40'00"N 5°30'00"W	Open-outlined arrow indicating flow of traffic [M10] oriented 060°
			48°50'00"N 5°29'00"W
	Legend "CAUTION NO 1"	48°28'36"N 5°18'00"W	Open-outlined arrow indicating flow of traffic [M10] oriented 028°
	Legend "CAUTION NO 1"	48°41'15"N 5°45'36"W	48°37'30"N 5°44'45"W
	Legend "CAUTION NO 2"	48°44'00"N 5°20'45"W	Open-outlined arrow indicating flow of traffic [M10] oriented 220°
	Open-outlined arrow symbol	48°57'15"N 5°25'07"W	48°38'00"N 5°15'45"W
	Open-outlined arrow symbol	49°02'00"N 5°14'15"W	Open-outlined arrow indicating flow of traffic [M10] oriented 220°
	Open-outlined arrow symbol	49°07'45"N 5°05'10"W	48°31'15"N 5°24'15"W
	Open-outlined arrow symbol	49°12'24"N 4°54'36"W	Open-outlined arrow indicating flow of traffic [M10] oriented 040°
	Open-outlined arrow symbol	49°18'15"N 4°45'30"W	48°37'15"N 5°14'45"W
	Open-outlined arrow symbol	49°22'45"N 4°35'22"W	Open-outlined arrow indicating flow of traffic [M10] oriented 040°
Change	Note to "NOTES" 1. The Traffic Separation Scheme(s) on this chart is approved by the International Maritime Organization (IMO). 2. Navigation is prohibited for vessels exceeding 1600 GRT in the Passage du Fromveur, Chenal de la Helle and Chenal du Four. Other vessels, with the exception of those transporting goods cited in the annexes of MARPOL 1973, can obtain exemptions. See Sailing Directions. 3. For passenger ships operating regular schedules to or from a Channel port situated west of meridian 1° W and for ships sailing between ports situated between Cape de la Hague and Cape Finisterre, with exceptions. See Sailing Directions." (See 10/03-37050)	48°33'00"N 4°08'30"W	Legend "NOTE NO 3" 48°34'30"N 5°19'15"W
	Cautions No. 1 and No. 2 of CAUTIONS to "2. Reserved" "3. Reserved"	48°37'00"N 4°08'00"W	Legend "INSHORE TRAFFIC ZONE" 48°33'00"N 5°15'00"W
Add	Purple tint area (traffic separation zone) bound by limit joining	49°02'00"N 5°36'48"W 49°01'06"N 5°36'03"W 48°55'36"N 5°50'36"W 48°42'00"N 6°01'36"W 48°42'36"N 6°02'48"W 48°56'24"N 5°51'36"W	Note: The above change to the Traffic Separation Scheme has been adopted by the IMO and will become effective at 0000 GMT on 1 May 2003 (NTM0041/2002)
	Purple tint area (traffic separation zone) bound by limit joining	48°57'00"N 5°32'30"W 48°52'45"N 5°28'36"W 48°48'36"N 5°39'36"W 48°37'24"N 5°48'36"W 48°39'42"N 5°55'12"W 48°52'03"N 5°45'00"W	
	Purple tint area (traffic separation zone) bound by limit joining	48°48'36"N 5°25'06"W 48°39'42"N 5°14'42"W 48°30'36"N 5°26'18"W 48°35'06"N 5°42'18"W 48°45'00"N 5°34'18"W	
	Purple tint area (traffic separation zone) bound by limit joining	48°38'00"N 5°12'54"W 48°37'12"N 5°11'54"W	
37141	29Ed. 10/21/95 LAST NM 4/03 Delete Depth 7.9 meters	12/03 51°36'22"N 1°27'24"E	
	Depth 6.8 meters	51°36'19"N 1°26'18"E	
	Depth 8.6 meters	51°36'10"N 1°26'48"E	
	Depth 9.2 meters	51°35'28"N 1°26'23"E	
	Depth 9.1 meters	51°34'16"N 1°24'12"E	
Change	Characteristic of buoy to Fl(3) R 10s	51°34'44"N 1°15'35"E	
	Characteristic of buoy to QR	51°36'04"N 1°19'52"E	
Add	Depth 3.9 meters enclosed by depth contour (5-meter)	51°36'22"N 1°26'40"E	
	Depth 4.7 meters enclosed by depth contour (5-meter)	51°36'08"N 1°26'36"E	
	Depth 6 meters	51°36'04"N 1°26'15"E	
	Depth 6.4 meters	51°35'57"N 1°26'37"E	
	Depth 7.4 meters	51°35'49"N 1°25'50"E	
	(6(603)03 Taunton)		
37147	15Ed. 2/15/97 LAST NM 10/03 Delete Depth 7.1 meters	12/03 51°37'18"N 1°26'08"E	
	Depth 7.9 meters	51°36'22"N 1°27'25"E	
	Depth 6.8 meters	51°36'20"N 1°26'18"E	
	Depth 8.6 meters	51°36'10"N 1°26'40"E	
Change	Characteristic of buoy to Fl(3) R 10s	51°34'44"N 1°15'35"E	
	Characteristic of buoy to QR	51°36'04"N 1°19'52"E	
Add	Depth 3.9 meters enclosed by depth contour (5-meter)	51°36'22"N 1°26'40"E	
	Depth 4.7 meters enclosed by depth contour (5-meter)	51°36'08"N 1°26'36"E	
	Depth 6 meters	51°36'04"N 1°26'15"E	
	Depth 6.4 meters	51°35'57"N 1°26'37"E	
	Depth 7.4 meters	51°35'49"N 1°25'50"E	
	(6(603)03 Taunton)		
37165	2Ed. 2/3/96 LAST NM 10/03 Substitute Swept depth 17.4 meters Wk [K27] for 19.2 meters Wk	12/03 53°59.3'N 8°08.7'E	
Add	Foul ground symbol [K31]	53°55.9'N 7°13.1'E	
	Swept depth 20.8 meters Wk [K27]	53°52.0'N 7°11.3'E	
	(43(44, 87)02 Hamburg)		

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37221	13Ed. 2/3/96 LAST NM 11/03 Substitute	Swept depth 17.4 meters Wk [K27] for 19.2 meters Wk	12/03 53°59.3'N 8°08.7'E	Legend "NOTE NO 6" Legend "INSHORE TRAFFIC ZONE" Note: The above change to the Traffic Separation Scheme has been adopted by the IMO and will become effective at 0000 GMT on 1 May 2003 (NTM0041/2002)	48°34'30"N 5°19'15"W 48°33'00"N 5°15'00"W
Add	Swept depth 29.7 meters Wk [K27] Foul ground symbol [K31]	54°03.6'N 7°40.9'E 53°55.9'N 7°13.1'E			
	Swept depth 20.8 meters Wk [K27]	53°52.0'N 7°11.3'E			
	Swept depth 14.2 meters [K2] Foul	53°57.9'N 8°32.9'E			
	(43(44, 87)02, 2(3)03 Hamburg)				
37226	17Ed. 12/27/97 LAST NM 9/03 Substitute	Swept depth 17.4 meters Wk [K27] for 19.2 meters Wk	12/03 53°59'15"N 8°08'44"E		
Add	Swept depth 14.2 meters [K2] Foul	53°57'53"N 8°32'52"E			
	(43(44)02 Hamburg)				
37231	18Ed. 4/5/97 LAST NM 10/03 Substitute	Swept depth 17.4 meters Wk [K31] for 19.2 meters Wk	12/03 53°59'15"N 8°08'44"E		
	(43(44)02 Hamburg)				
P 37320	16Ed. 9/6/97 LAST NM 11/03 Delete	Traffic separation scheme and "Inshore Traffic Zone" in vicinity	12/03 48°40'00"N 5°30'00"W		
	Legend "NOTE NO 2"	48°43'15"N 5°21'15"W			
	Legend "NOTE NO 3"	48°27'30"N 5°18'45"W			
Change	Notes No. 2 and No. 3 of NOTES to "2. Reserved" "3. Reserved"		48°02'30"N 4°21'00"W		
Add	Note No. 6 to NOTES "6. For passenger ships operating regular schedules to or from a Channel port situated west of meridian 1°W and for ships sailing between ports situated between Cape de la Hague and Cape Finisterre, with exceptions. See Sailing Directions." (See 10/03-37320)		47°59'00"N 4°22'00"W		
	Purple tint area (traffic separation zone) bound by limit joining	48°44'09"N 6°00'00"W 48°42'00"N 6°01'36"W 48°42'36"N 6°02'48"W 48°44'09"N 6°01'36"W			
	Purple tint area (traffic separation zone) bound by limit joining	48°44'09"N 5°43'00"W 48°37'24"N 5°48'36"W 48°39'42"N 5°55'12"W 48°44'09"N 5°51'30"W			
	Purple tint area (traffic separation zone) bound by limit joining	48°44'09"N 5°20'00"W 48°39'42"N 5°14'42"W 48°30'36"N 5°26'18"W 48°35'06"N 5°42'18"W 48°44'09"N 5°35'07"W			
	Purple tint area (traffic separation zone) bound by limit joining	48°38'00"N 5°12'54"W 48°37'12"N 5°11'54"W 48°29'23"N 5°22'03"W 48°29'48"N 5°23'30"W			
	Purple composite line (inshore traffic zone limit) between	48°37'12"N 5°11'54"W 48°28'00"N 5°01'24"W			
	Purple composite line (inshore traffic zone limit) between	48°29'23"N 5°22'03"W 48°25'21"N 5°08'00"W			
	Open-outlined arrow indicating flow of traffic [M10] oriented 208°	48°42'15"N 5°57'30"W			
	Open-outlined arrow indicating flow of traffic [M10] oriented 028°	48°37'30"N 5°44'45"W			
	Open-outlined arrow indicating flow of traffic [M10] oriented 220°	48°38'00"N 5°15'45"W			
	Open-outlined arrow indicating flow of traffic [M10] oriented 220°	48°31'15"N 5°24'15"W			
	Open-outlined arrow indicating flow of traffic [M10] oriented 040°	48°37'15"N 5°14'45"W			
	Open-outlined arrow indicating flow of traffic [M10] oriented 040°	48°30'30"N 5°23'15"W			
43030	24Ed. 4/5/97 LAST NM 11/03 Add	Foul ground symbol [K31]	12/03 53°55.9'N 7°13.1'E		
	Swept depth 20.8 meters Wk [K27]	53°52.0'N 7°11.3'E			
	(43(87)02 Hamburg)				
43140	4Ed. 10/5/96 LAST NM 52/02 Add	Submarine cable [L30.1] between	12/03 68°30.0'N 14°51.1'E 68°27.4'N 14°54.6'E		
	Submarine cable [L30.1] joining	68°46.6'N 16°35.4'E 68°46.2'N 16°35.8'E 68°46.0'N 16°37.3'E 68°48.0'N 16°45.8'E 68°49.2'N 16°47.2'E 68°50.9'N 16°48.6'E 68°51.9'N 16°55.2'E 68°51.5'N 17°00.5'E			
	(3(128, 130)99 Stavanger)				
43141	5Ed. 2/22/97 LAST NM 52/02 Add	Submarine cable [L30.1] joining	12/03 68°47'00"N 16°41'46"E 68°47'10"N 16°42'29"E 68°47'30"N 16°44'21"E 68°48'00"N 16°45'48"E 68°49'10"N 16°47'15"E 68°50'51"N 16°48'29"E 68°51'06"N 16°49'15"E 68°51'11"N 16°49'54"E		
	(3(130)99 Stavanger)				
43142	4Ed. 1/25/97 LAST NM 52/02 Add	Submarine cable [L30.1] joining	12/03 68°47'00"N 16°41'46"E 68°47'10"N 16°42'29"E 68°47'30"N 16°44'21"E 68°48'00"N 16°45'48"E 68°49'10"N 16°47'15"E 68°50'51"N 16°48'29"E 68°51'06"N 16°49'15"E 68°51'51"N 16°55'13"E 68°51'45"N 16°59'49"E 68°51'30"N 17°00'33"E		
	(3(130)99 Stavanger)				
43143	4Ed. 2/1/97 LAST NM 15/99 Add	Submarine cable [L30.1] joining	12/03 68°46'34"N 16°35'22"E 68°46'27"N 16°35'41"E 68°46'12"N 16°35'44"E 68°46'04"N 16°36'07"E 68°46'02"N 16°37'16"E 68°46'17"N 16°38'08"E 68°46'25"N 16°39'18"E 68°47'10"N 16°42'29"E 68°47'30"N 16°44'21"E 68°48'00"N 16°45'48"E 68°49'10"N 16°47'15"E 68°50'00"N 16°47'51"E		
	(3(130)99 Stavanger)				
43144	4Ed. 4/19/97 LAST NM 6/03 Add	Dangerous wreck [K28]	12/03 68°24.3'N 16°47.1'E		
	(3(154)03 Stavanger)				
43145	4Ed. 5/17/97 LAST NM 17/02 Add	Submarine cable [L30.1] joining	12/03 68°30'00"N 14°51'06"E 68°27'30"N 14°54'36"E 68°27'24"N 14°54'36"E 68°27'24"N 14°54'24"E		
	(3(128)99 Stavanger)				
43341	7Ed. 9/14/96 LAST NM 41/02 Add	Foul ground symbol [K31]	12/03 59°13'02"N 5°41'30"E		
	(22(947)02 Stavanger)				

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43375	7Ed. 8/22/92 LAST NM 10/03 Delete Submarine cable between (32(910)99 Norrkoping)	12/03 58°18'39"N 11°21'54"E 58°18'35"N 11°22'49"E	44401	7Ed. 9/29/01 LAST NM 10/03 Add Light Fl(3) R 9s (1(14)02 Riga; BA LL)	12/03 57°03'10.0"N 24°01'44.3"E
43384	1Ed. 9/14/91 LAST NM 11/03 Delete Submarine cable between (32(910)99 Norrkoping)	12/03 58°18'39"N 11°21'54"E 58°18'35"N 11°22'49"E	44410	4Ed. 2/8/97 LAST NM 11/03 Substitute Stranded wreck [K24] for dangerous wreck 57°54.3"N 22°04.3"E	12/03
44047	22Ed. 2/8/97 LAST NM 10/03 Add Pilot station symbol [T1.1] (29(846)99 Norrkoping)	12/03 56°04.5"N 12°36.2"E	Add Submarine cable [L30.1] joining	57°30.5"N 21°32.5"E 57°31.4"N 21°32.3"E 57°32.7"N 21°29.0"E 57°34.0"N 21°20.9"E 57°36.0"N 21°03.2"E 57°39.2"N 20°31.6"E 57°39.2"N 20°29.7"E 57°39.6"N 20°28.2"E 57°40.0"N 20°23.9"E 57°43.3"N 19°49.2"E 57°44.0"N 19°44.3"E 57°46.0"N 19°21.9"E 57°46.0"N 19°19.6"E 57°47.2"N 19°09.1"E 57°47.6"N 19°06.9"E 57°50.0"N 19°01.8"E	
44048	11Ed. 3/9/96 LAST NM 5/03 Add Pilot station symbol [T1.1] (29(846)99 Norrkoping)	12/03 56°04'30"N 12°36'12"E			
44100	7Ed. 3/9/96 LAST NM 11/03 Add Pilot station symbol [T1.1] (29(846)99 Norrkoping)	12/03 56°04.5"N 12°36.2"E			
44200	9Ed. 7/20/96 LAST NM 9/03 Add Buoy YB, spar, double cone topmark points downward (21(633)99 Norrkoping)	12/03 60°40.9"N 17°33.7"E		Stranded wreck [K24] Stranded wreck [K24] (2(20)02, 1(14)03 Riga)	57°54.0"N 22°02.9"E 58°01.0"N 22°13.9"E
44204	1Ed. 12/27/86 LAST NM 7/03 Add Buoy YB, spar, double cone topmark points downward (21(633)99 Norrkoping)	12/03 60°40'54"N 17°33'40"E	44420	6Ed. 12/14/96 LAST NM 11/03 Add Submarine cable [L30.1] joining	12/03 57°25.9"N 21°35.7"E 57°30.5"N 21°32.5"E 57°31.4"N 21°32.3"E 57°32.7"N 21°29.0"E 57°34.0"N 21°20.9"E 57°39.2"N 20°31.6"E 57°39.2"N 20°29.7"E 57°39.6"N 20°28.2"E 57°43.3"N 19°49.2"E 57°44.0"N 19°44.3"E 57°45.0"N 19°34.0"E (1(14)03 Riga)
44205	2Ed. 4/9/94 LAST NM 7/03 Add Buoy YB, spar, double cone topmark points downward (21(632, 633)99 Norrkoping)	12/03 60°40'53.7"N 17°33'40.0"E	44444	6Ed. 5/15/99 LAST NM 9/03 (Plan A) Delete Dashed line joining 57°26'23.2"N 21°33'43.8"E 57°26'00.0"N 21°33'21.0"E 57°26'00.0"N 21°34'37.0"E	12/03
44280	9Ed. 7/13/96 LAST NM 6/03 Add Position circle "R MAST" (21(631)99 Norrkoping)	12/03 65°14.2"N 21°32.1"E		Depth 14.2 meters 57°24'16.0"N 21°32'18.0"E	
44281	2Ed. 4/6/96 LAST NM 49/02 Substitute Submarine cable [L30.1] for dashed line (overhead power cable) between (27(784, 785)99 Norrkoping)	12/03 65°34'38"N 22°36'37"E 65°34'37"N 22°36'49"E	Add Submarine cable [L30.1] joining	57°25'56.9"N 21°35'43.2"E 57°26'02.9"N 21°35'34.5"E 57°26'26.8"N 21°34'59.2"E 57°26'33.9"N 21°34'55.4"E 57°26'39.7"N 21°34'46.5"E 57°26'42.4"N 21°34'47.5"E 57°27'00.1"N 21°34'45.5"E 57°27'03.5"N 21°34'46.3"E 57°27'14.0"N 21°34'39.2"E 57°27'22.9"N 21°34'42.2"E 57°27'37.7"N 21°34'40.0"E 57°27'50.9"N 21°34'28.7"E 57°27'53.2"N 21°34'38.3"E 57°27'56.8"N 21°34'28.4"E 57°28'04.3"N 21°34'21.4"E 57°28'11.0"N 21°34'16.9"E 57°28'19.6"N 21°34'08.9"E 57°28'23.0"N 21°34'04.0"E 57°28'27.3"N 21°34'02.2"E 57°30'00.0"N 21°32'34.6"E	
44352	2Ed. 4/27/96 LAST NM 8/03 Change Height of light to 13m (See 8/03-44352) (10(109)01 Tallinn; Est LL)	12/03 59°30'00.0"N 24°48'51.0"E		Dashed line between 57°26'30.0"N 21°33'49.0"E 57°26'30.0"N 21°35'05.0"E	
44400	4Ed. 9/7/96 LAST NM 9/03 Delete Depth 7 meters Wk Depth 5 meters Wk	12/03 57°00.4"N 23°35.8"E 56°59.9"N 23°35.4"E		Solid line (dredged area) joining 57°23'59.0"N 21°32'13.3"E 57°24'01.3"N 21°32'26.5"E 57°24'04.7"N 21°32'28.2"E 57°24'07.1"N 21°32'31.3"E 57°24'04.6"N 21°32'51.5"E 57°24'05.0"N 21°32'53.2"E 57°24'07.5"N 21°32'54.5"E 57°24'09.9"N 21°32'35.4"E 57°24'11.1"N 21°32'35.3"E	
	Substitute Stranded wreck [K24] for dangerous wreck 57°54.3"N 22°04.3"E				
Change	Light to 2 Iso R 9M Height of light to 17m Height of light to 17m Height of light to 12m (See 7, 9/03-44400)	57°45.4"N 24°21.4"E 58°32.7"N 23°26.6"E 57°20.1"N 23°08.0"E 57°19.0"N 24°24.4"E			
Add	Stranded wreck [K24] Stranded wreck [K24] Range light, front Iso R 2s 6m 3M Light Iso R 2s 6m 3M, Fl R 3s 14m 3M	57°54.0"N 22°02.9"E 58°01.0"N 22°13.9"E 57°09.8"N 23°13.9"E 57°09.8"N 23°13.9"E			
	(2(20), 7(47), 11(69, 70, 72, 73)02 Riga; 11(119)96 Tallinn; Est LL)				

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SECTION I

NM 12/03

44444 (Continued)

			Anchorage area "No 3 (small vessels)" [N12.2] bound by purple dashed line joining 38°20'11"N 0°28'29"W 38°19'57"N 0°27'56"W 38°19'31"N 0°28'15"W 38°19'45"N 0°28'48"W
			"NOTE In case of bad weather, anchorage may be used by vessels carrying hazardous cargo." 38°17'30"N 0°41'00"W (Spn CH 472A)
52060	16Ed. 9/26/87 LAST NM 7/03 Add Wreck [K29] (10(175)02 Cadiz)	12/03 37°30.6'N 1°01.5'W	
52061	2Ed. 3/2/96 LAST NM 7/03 Add Wreck [K29]	12/03 37°30'34"N 1°01'33"W	
Delete	(Plan) Markers (4), dashed line and legend "Measured...284°" joining	37°34'40.5"N 1°13'00.0"W 37°33'47.0"N 1°13'17.0"W 37°33'32.5"N 1°12'03.0"W 37°34'28.5"N 1°11'45.5"W	
	Beacons (3), range line and legend "Beacons...105°" between	37°33'08.2"N 1°10'02.0"W 37°33'19.0"N 1°10'51.0"W	
Add	Buoy YB, pillar, double cone topmark points downward, Q(6) + Fl 15s	37°32'54.0"N 1°11'22.2"W	
	(10(175), 15(282), 29(528)02 Cadiz)		
52062	7Ed. 9/23/00 LAST NM 7/03 Delete Purple composite line between	12/03 37°34'36.0"N 0°58'30.2"W 37°34'36.0"N 0°58'42.6"W	
	Buoy	37°34'37.0"N 0°58'41.4"W	
Change	Light to Fl(4) R 12s 7m 1M Characteristic of light to Fl R 3s	37°34'12.6"N 0°57'34.0"W 37°34'05.0"N 0°57'08.8"W	
Add	Light Fl(3) R 10s 8m 1M Buoy Y, spherical, Q(5) Y 20s	37°34'25.2"N 0°57'46.2"W 37°33'27.0"N 0°57'57.0"W	
	Buoy Y, can, "X" topmark, Fl Y 2s	37°34'35.4"N 0°58'42.6"W	
	Buoy Y, can, "X" topmark, Fl Y 2s	37°34'45.6"N 0°58'42.6"W	
	Purple composite line joining	37°34'35.4"N 0°58'30.0"W 37°34'35.4"N 0°58'42.6"W 37°34'36.0"N 0°58'42.6"W	
Change	(Plan B) Light to Fl(4) R 12s 7m 1M Light to Fl R 3s 7m 1M Shape of buoy to pillar	37°34'12.6"N 0°57'32.5"W 37°34'05.0"N 0°57'08.8"W 37°34'23.4"N 0°58'10.2"W	
Add	Light Fl(3) R 10s 8m 1M	37°34'25.2"N 0°57'46.2"W	
	(25(482), 38(687)01, 10(176), 21(386)02 Cadiz; Spn LL)		
52080	14Ed. 2/8/97 LAST NM 11/03 Add Anchorage symbol (large vessels) [N10] with legend "Hazardous cargo"	12/03 38°17.2'N 0°26.2'W	
	Anchorage symbol (large vessels) [N10]	38°19.2'N 0°27.0'W	
	(Spn CH 472A)		
52082	3Ed. 9/16/00 LAST NM 11/03 Delete Anchorage symbol	12/03 38°20'03"N 0°28'27"W	
Add	Anchorage area "No 1 (Hazardous cargo)" [N12.2] bound by purple dashed-line circle, radius 0.5 mile, centered	38°17'14"N 0°26'15"W	
	Anchorage area "No 2 (large vessels) (see note)" [N12.2] bound by purple dashed line joining	38°19'53"N 0°27'16"W 38°19'23"N 0°26'10"W 38°18'32"N 0°26'47"W 38°19'01"N 0°27'52"W	
52084	2Ed. 8/26/95 LAST NM 11/03 (Plan B)	12/03 Delete Anchorage symbol	38°20'12"N 0°28'27"W
Add	Anchorage area "No 1 (hazardous cargo)" [N12.2] bound by purple dashed-line lesser arc of a circle, radius 0.5 mile, centered 370 meters bearing 096° from	38°17'14.8"N 0°26'29.5"W 38°17'41.0"N 0°26'29.5"W 38°17'14.8"N 0°26'52.3"W	
	Anchorage area "No 2 (large vessels) (see Note)" [N12.2] bound by purple dashed line joining	38°19'33.3"N 0°26'29.5"W 38°19'53.2"N 0°27'15.5"W 38°19'01.3"N 0°27'52.4"W 38°18'31.8"N 0°26'46.5"W 38°18'55.2"N 0°26'29.5"W	
	Anchorage area "No 3 (small vessels)" [N12.2] bound by purple dashed line joining	38°20'11.2"N 0°28'28.9"W 38°19'56.6"N 0°27'56.2"W 38°19'30.6"N 0°28'15.4"W 38°19'44.8"N 0°28'47.5"W	
	"NOTE In case of bad weather, anchorage may be used by vessels carrying hazardous cargo."	38°20'48.0"N 0°30'30.0"W (Spn CH 472A, 4722)	
52088	2Ed. 3/30/96 LAST NM 11/03 Delete Anchorage symbol	12/03 38°20'12"N 0°28'28"W	
Add	Anchorage area "No 1 (Hazardous cargo)" [N12.2] bound by purple dashed-line circle, radius 0.5 mile, centered	38°17'14"N 0°26'15"W	
	Anchorage area "No 2 (large vessels) (see note)" [N12.2] bound by purple dashed line joining	38°19'53"N 0°27'16"W 38°19'23"N 0°26'10"W 38°18'32"N 0°26'47"W 38°19'01"N 0°27'52"W	
	Anchorage area "No 3 (small vessels)" [N12.2] bound by purple dashed line joining	38°20'11"N 0°28'29"W 38°19'57"N 0°27'56"W 38°19'31"N 0°28'15"W 38°19'45"N 0°28'48"W	
	"NOTE In case of bad weather, anchorage may be used by vessels carrying hazardous cargo."	38°19'30"N 0°12'48"E (Spn CH 472A)	
52140	6Ed. 3/30/96 LAST NM 3/03 Change Light to Oc WR 14M SIREN	12/03 38°54.3'N 1°27.2'E (35(610)02 Cadiz; Spn LL)	
52142	2Ed. 9/9/95 LAST NM 43/01 Change Light to Fl(3) G 9s 11m 5M Characteristic of light to Fl(2) G 6s	12/03 38°58'50"N 1°32'15"E 38°44'04"N 1°25'08"E	
	Light to Oc WR 7s 31m 14M SIREN	38°54'15"N 1°27'14"E	
Add	Buoy G, pillar, cone topmark, Fl G 4s	38°44'11"N 1°25'02"E	
	Buoy R, pillar, can topmark, Fl R 4s	38°44'14"N 1°25'24"E	

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52142	(Continued) (Plan)		
Change	Light to Oc WR 7s 31m 14M SIREN		
		38°54'15.0"N 1°27'14.0"E	
	Visibility (range) of light to 3M	38°54'36.0"N 1°26'57.5"E	
	Visibility (range) of light to 1M	38°54'37.5"N 1°26'54.8"E	
	Visibility (range) of light to 1M	38°54'39.0"N 1°26'56.1"E	
(7(114), 26(480), 28(514), 35(610)02 Cadiz; Spn LL; Spn CH 479A)			
53031	1Ed. 5/2/92 LAST NM 5/03		12/03
Delete	Depth 71 meters Wk (See 17/02-53031)	43°07.3'N 5°16.1'E	
(26(33)02 Brest)			
53060	14Ed. 9/30/89 LAST NM 10/03		12/03
Delete	Depth 71 meters Wk (See 17/02-53060)	43°07.3'N 5°16.1'E	
Add	Depth 64 meters Wks [K26] (26(32, 33)02 Brest)	43°10.1'N 5°23.6'E	
53061	10Ed. 2/19/94 LAST NM 47/02		12/03
Add	Depth 64 meters Wks [K26] (26(32)02 Brest)	43°10'07.4"N 5°23'38.3"E	
54339	8Ed. 9/10/94 LAST NM 31/02		12/03
Change	Period of buoy to 2s Period of buoy to 2s (See 17/02-54339)	38°01'20.4"N 23°29'04.0"E 38°01'23.2"N 23°29'03.5"E	
(12(335)01 Athens)			
54343	10Ed. 12/9/95 LAST NM 11/03		12/03
Delete	Buoy	37°49'39"N 23°28'16"E	
	Dangerous wreck	37°56'54"N 23°34'18"E	
	Dangerous wreck	37°57'24"N 23°35'12"E	
(See 5/03-54343)			
Add	Dangerous wreck [K28]	37°56'58"N 23°35'58"E	
	Dangerous wreck [K28]	37°56'57"N 23°36'09"E	
(3(84, 85), 6(170), 9(249)02 Athens)			
54346	8Ed. 12/23/95 LAST NM 11/03		12/03
Delete	Dangerous wreck	37°57'23.0"N 23°35'10.0"E	
	Dangerous wreck	37°56'51.0"N 23°34'18.9"E	
	Stranded wreck	37°56'48.0"N 23°33'51.0"E	
	Stranded wreck	37°56'48.0"N 23°33'47.0"E	
	Light	37°56'12.9"N 23°41'02.8"E	
Add	Dangerous wreck [K28]	37°56'58.0"N 23°35'58.0"E	
	Dangerous wreck [K28]	37°56'57.0"N 23°36'09.0"E	
	Light QG 4m 4M	37°56'08.0"N 23°41'06.0"E	
(3(84, 85), 9(248, 249)02 Athens)			
★54409	2Ed. 7/7/84 LAST NM 8/03 (Plan M)		12/03
Add	Chartlet, depicting changes in topography, from Subsection I-2	36°17'00"N 33°50'00"E	
(NTM008/2003)			
56060	8Ed. 9/27/86 LAST NM 33/02		12/03
Change	Characteristic of light to Fl(2) 7s (BA LL)	32°55.2'N 35°04.2"E	
57029	9Ed. 8/16/97 LAST NM 40/01		12/03
Add	Wreck [K29] (PA)	26°39.8'S 15°01.4"E	
	Wreck [K29] (PA)	26°39.7'S 13°42.7"E	
(6(60), 7(65)02 Cape Town)			
57035	10Ed. 5/3/97 LAST NM 10/03		12/03
Add	Wreck [K29] (PA)	31°54.7'S 17°30.7"E	
	Wreck [K29] (PA)	27°30.1'S 15°24.0"E	
	Wreck [K29] (PA)	26°39.8'S 15°01.4"E	
	Wreck [K29] (PA)	26°39.7'S 13°42.7"E	
(3(35), 5(49), 6(60), 7(65)02 Cape Town)			
57400	4Ed. 6/8/96 LAST NM 35/01		12/03
Add	Wreck [K29] (PA)	26°39.8'S 15°01.4"E	
	Wreck [K29] (PA)	26°39.7'S 13°42.7"E	
(6(60), 7(65)02 Cape Town)			
57408	2Ed. 7/27/96 LAST NM 34/00		12/03
Add	Wreck [K29] (PA)	26°39.8'S 15°01.4"E	
(6(60)02 Cape Town)			
57420	3Ed. 7/20/96 LAST NM 34/00		12/03
Add	Wreck [K29] (PA)	27°30.0'S 15°24.0"E	
	Wreck [K29] (PA)	26°39.8'S 15°01.4"E	
	Wreck [K29] (PA)	26°39.7'S 13°42.7"E	
(5(49), 6(60), 7(65)02 Cape Town)			
57460	4Ed. 7/27/96 LAST NM 10/03		12/03
Add	Wreck [K29] (PA)	31°54.7'S 17°30.7"E	
	Wreck [K29] (PA)	32°32.1'S 17°56.4"E	
	Wreck [K29] (PA)	32°42.9'S 17°51.1"E	
(3(35), 4(42), 8(74)02 Cape Town)			
57471	3Ed. 1/18/86 LAST NM 34/01		12/03
Delete	Buoy (mooring)	33°01'34.0"S 17°53'50.0"E	
Change	Light to FG 12M & F 12M Horn	33°02'07.0"S 17°58'58.5"E	
(3(49), 11(110)01 Cape Town)			
57472	2Ed. 3/17/90 LAST NM 3/01		12/03
Change	Light to F 12M & FG 12M (vert) Horn	33°02'07"S 17°58'59"E	
(3(49)01 Cape Town)			
57480	8Ed. 9/21/96 LAST NM 46/01		12/03
Add	Wreck [K29] (PA)	32°42.9'S 17°51.1"E	
(8(74)02 Cape Town)			
61060	5Ed. 8/10/96 LAST NM 34/01		12/03
Delete	Danger circle "Foul"	33°54.3'S 25°42.1"E	
Change	Visibility (range) of light to 5M	33°57.4'S 25°38.4"E	
(3(56)01, 3(37)02 Cape Town)			
61061	9Ed. 10/12/96 LAST NM 10/03		12/03
Delete	Beacon	33°58'49"S 25°38'55"E	
	Beacons (2) and range line between	33°59'48"S 25°40'00"E	
		33°58'56"S 25°41'34"E	
	Danger circle "Foul"	33°54'16"S 25°42'02"E	
Change	Visibility (range) of light to 5M	33°57'18"S 25°38'20"E	
Add	Racon [S3.1] to buoy	33°55'40"S 25°40'17"E	
	(Plan A)		
Change	Visibility (range) of light to 5M	33°57'17.9"S 25°38'19.8"E	
(3(56)01, 2(28), 3(37), 4(43)02 Cape Town)			
61090	5Ed. 10/21/95 LAST NM 1/02		12/03
Delete	Radio reporting point symbol	29°43.5'S 31°10.2"E	
	Radio reporting point symbol	30°01.9"S 31°00.6"E	
Change	Characteristic of buoy to Iso 2s	29°50.0'S 31°05.6"E	
Add	Purple dashed-line lesser arc of a circle with legend "Richards Bay VTS Report Line 1", radius 15 miles, centered 3.1 miles 000° from arc between	28°52.0'S 32°05.9"E 28°52.0'S 32°22.7"E 28°56.5'S 31°51.1"E	
	Purple dashed-line lesser arc of a circle with legend "VTS Report Line 2", radius 6 miles, centered 3.1 miles 000° from arc between	28°52.0'S 32°05.9"E 28°52.0'S 32°11.6"E 28°52.9'S 32°00.8"E	
	Purple dashed-line greater arc of circle with legend "VTS Report Line B", radius 6 miles, centered arc between	29°50.0'S 31°05.6"E 29°45.3'S 31°04.3"E 29°55.8'S 31°01.1"E	
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SECTION I

NM 12/03

61090	(Continued)	Purple dashed-line greater arc of a circle with legend "Richards Bay VTS Report Line A", radius 12 miles, centered arc between	29°50.0'S 31°05.6'E 29°39.2'S 31°07.7'E 30°00.5'S 30°56.7'E	Dangerous wreck [K28] (ED) (PA) Dangerous wreck [K28] Buoy Y, spar, Fl Y Ra ref	29°54.3'N 48°19.0'E 29°51.5'N 48°24.5'E 29°06.7'N 48°44.8'E
(357), 11(113, 115)01 Cape Town; BA RA)					
61091	5Ed. 8/31/96 LAST NM 34/00 Change	Characteristic of buoy to Iso 2s	12/03 29°50'01.2"S 31°05'34.8"E	Add Anchoring prohibited area [N20] bound by existing "ANCHORING PROHIBITED" area and purple composite-line greater arc of a circle, radius 0.75 mile, centered arc between 29°50'01.2"S 31°05'34.8"E 29°50'20.7"S 31°04'48.7"E 29°50'36.0"S 31°05'02.0"E	29°54'54"N 48°18'43"E 29°54'20"N 48°19'02"E 29°51'28"N 48°24'31"E 29°06'44"N 48°44'50"E
(357), 11(113, 114)01 Cape Town; BA RA)					
61100	4Ed. 9/23/95 LAST NM 10/03 Change	Characteristic of buoy to Fl Y 2s	12/03 28°49.5'S 32°06.5"E	Add Purple dashed-line lesser arc of a circle with legend "VTS Report Line B", radius 6 miles, centered arc between 29°50'01.2"S 31°05'34.8"E 29°44'01.0"S 31°05'05.5"E 29°44'54.7"S 31°09'09.4"E arc between 29°55'00.0"S 31°01'43.0"E 29°55'06.2"S 31°09'09.4"E	29°54'54"N 48°18'43"E 29°54'20"N 48°19'02"E 29°51'28"N 48°24'31"E
(462), 11(115)01 Cape Town; BA RA)					
61150	3Ed. 7/24/82 LAST NM 17/02 Delete	Dangerous submerged rock (10(22)00 Brest)	12/03 49°23.8'S 69°58.7"E	Add Purple dashed-line greater arc of a circle with legend "VTS Report Line 2", radius 6 miles, centered arc between 28°48.9"S 32°05.9"E 28°44.3"S 32°10.2"E 28°52.5"S 32°00.8"E	29°54'54"N 48°18'43"E 29°54'20"N 48°19'02"E 29°51'28"N 48°24'31"E
(357), 11(115)01 Cape Town; BA RA)					
62360	5Ed. 3/11/95 LAST NM 38/02 Add	Light QR (2(209)03 Taunton)	12/03 25°31.4'N 56°21.9"E	Add Purple dashed-line greater arc of a circle with legend "VTS Report Line 1", radius 15 miles, centered arc between 28°48.9"S 32°05.9"E 28°38.0"S 32°17.7"E 28°59.5"S 31°54.0"E	6°12.1'S 105°16.6"E
(357), 11(115)01 Cape Town; BA RA)					
62361	2Ed. 6/15/96 LAST NM N38/02 Add	Light QR (2(209)03 Taunton)	N12/03 25°31.4'N 56°21.9"E	Add Substitute Depth 15.5 meters for 31 meters	6°12.1'S 105°16.6"E
(357), 11(115)01 Cape Town; BA RA)					
62434	9Ed. 12/8/01 LAST NM 8/03 Add	Stranded wreck [K24] Dangerous wreck [K28]	12/03 29°54'54.0"N 48°18'43.0"E 29°51'28.2"N 48°24'31.2"E	Add Dangerous wreck [K28] (ED) (PA) 29°54'19.5"N 48°19'02.0"E	2°00.1'S 108°38.1"E 2°05.0'S 108°47.1"E
(799)03 Taunton)					
62510	3Ed. 2/1/03 LAST NM 11/03 Add	Light QR (2(209)03 Taunton)	12/03 25°31.4'N 56°21.9"E	Add Substitute Depth 4.6 meters for 7.3 meters	0°59'06"N 103°27'34"E
(357), 11(115)01 Cape Town; BA RA)					
62512	3Ed. 2/1/03 LAST NM N11/03 Add	Light QR (2(209)03 Taunton)	N12/03 25°31.4'N 56°21.9"E	Change Buoy to G, conical, cone topmark, Fl G 6s 0°58'58"N 103°26'34"E	0°59'06"N 103°27'34"E
(357), 11(115)01 Cape Town; BA RA)					
62540	6Ed. 1/26/02 LAST NM 8/03 Add	Stranded wreck [K24] Dangerous wreck [K28] (PA) Dangerous wreck [K28] Buoy Y, spar, Fl Y Ra ref	12/03 29°54.9'N 48°18.7'E 29°54.3'N 48°19.0"E 29°51.5'N 48°24.5"E 29°06.7'N 48°44.8"E	Add Buoy G, conical, cone topmark, Fl G 6s 0°58'58"N 103°26'34"E	0°59'04"N 103°26'30"E
(799)03 Taunton; NTM0007/2003)					
62541	3Ed. 1/26/02 LAST NM N8/03 Add	Stranded wreck [K24]	N12/03 29°54.9'N 48°18.7"E	Add Depth 9.5 meters (39(3538)99 Taunton; 11(80)01 Jakarta)	0°57'52"N 103°29'52"E
(357), 11(115)01 Cape Town; BA RA)					
71005	1Ed. 1/25/92 LAST NM 6/03 (31(242)02 Jakarta; 50(5402)02 Taunton)				12/03
71018	10Ed. 3/23/96 LAST NM 7/03 (36(285)02 Jakarta)				12/03
71033	31Ed. 2/3/96 LAST NM 3/03 (36(285)02 Jakarta)				12/03
71036	8Ed. 6/7/97 LAST NM 44/02 (37(290)02 Jakarta)				12/03
71180	29Ed. 2/3/96 LAST NM 7/03 (36(285)02 Jakarta)				12/03
71241	10Ed. 9/12/98 LAST NM 6/03 (39(3538)99 Taunton; 11(80)01 Jakarta)				12/03
71257	2Ed. 6/29/96 LAST NM 7/03 (39(3538)99 Taunton; 11(80)01 Jakarta)				12/03
71295	2Ed. 1/2/99 LAST NM 52/02 (31(242)02 Jakarta; 50(5402)02 Taunton)				12/03

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71410	1Ed. 10/3/87 LAST NM 39/02 Add Depth 16.7 meters Depth 18.8 meters Depth 15.5 meters (37(290)02 Jakarta)	12/03 2°00.1'S 108°38.1'E 2°05.0'S 108°47.1'E 2°11.0'S 108°45.0'E	94160	7Ed. 3/23/96 LAST NM 10/03 Add Dangerous wreck [K28] "Rep (2002)" (PA) (1(2)03 Tianjin)	12/03 26°24.4'N 120°03.9'E
71420	1Ed. 9/5/87 LAST NM 3/03 Add Depth 16.7 meters Depth 18.8 meters Depth 15.5 meters (37(290)02 Jakarta)	12/03 2°00.1'S 108°38.1'E 2°05.0'S 108°47.1'E 2°11.0'S 108°45.0'E	94164	2Ed. 3/23/96 LAST NM 51/02 Add Dangerous wreck [K28] "Rep (2002)" (PA) (1(2)03 Tianjin)	12/03 26°24'22"N 120°03'55"E
72236	1Ed. 8/15/92 LAST NM 9/03 (Plan D) Change Period of light (Fl R 2s 13m 6M) to 5s (40(321)02 Jakarta)	12/03 6°50'42.0"S 109°08'10.0"E	94283	7Ed. 5/25/96 LAST NM 8/03 Relocate Buoy "37" from 36°01'23.1"N 120°14'00.0"E to 36°01'17.1"N 120°13'47.6"E Buoy "39" from 36°01'16.3"N 120°13'42.5"E to 36°01'05.3"N 120°13'30.3"E Buoy "43" from 36°01'08.4"N 120°13'21.8"E to 36°00'33.6"N 120°13'01.3"E (See 20/01-94283)	12/03
81067	5Ed. 1/20/90 LAST NM 10/03 Relocate Buoy "3" from 15°13'37"N 145°42'11"E to 15°13'37"N 145°42'15"E (6/03 CG14)	12/03	Add Buoy "35" R, pillar, can topmark, Fl(2) R 6s 36°01'23.2"N 120°13'59.4"E Buoy "45" R, pillar, can topmark, Fl R 4s 36°00'12.3"N 120°12'37.6"E (1(5, 6)03 Tianjin; Cna CH 12354)		
*81076	9Ed. 9/19/98 LAST NM 10/03 Relocate Buoy "2A" from 15°13'43.0"N 145°42'08.5"E to 15°13'43.3"N 145°42'09.0"E Buoy "3" from 15°13'38.3"N 145°42'14.3"E to 15°13'36.6"N 145°42'14.8"E (6/03 CG14)	12/03	95068	1Ed. 10/23/99 LAST NM 47/02 Add Buoy "A" Y, pillar, "X" topmark, Fl(4) Y 8s 36°58'16.0"N 126°47'05.0"E Buoy "B" Y, pillar, "X" topmark, Fl(4) Y 8s 36°58'12.0"N 126°47'04.0"E (25(312)00 Inchon)	12/03
83025	1Ed. 11/7/81 LAST NM 48/01 Delete Dashed line and legend "Passe" between 23°04.5'S 135°06.0"W 23°08.5'S 134°59.8"W (17(38)00 Brest)	12/03	95084	7Ed. 6/11/94 LAST NM 8/03 Change Designation of anchor berth "8" to "10" 34°46'25.0"N 126°14'43.0"E Designation of anchor berth "9" to "11" 34°43'21.0"N 126°13'19.0"E (25(310)00 Inchon)	12/03
83251	2Ed. 7/11/98 LAST NM 2/03 Delete Dashed line and legends "Passe de l'Ouest" and "128°-308°" between 23°03'28.2"S 135°06'42.0"W 23°08'39.7"S 134°59'30.5"W (17(38)00 Brest)	12/03	95085	4Ed. 6/11/94 LAST NM 11/03 Delete Quarantine anchorage in vicinity 34°45'38.0"N 126°20'31.0"E Change Designation of anchor berth "8" to "10" 34°46'25.0"N 126°14'43.0"E Designation of anchor berth "9" to "11" 34°43'21.0"N 126°13'19.0"E Add "Quarantine Anchorage Area" [N12.8], radius 500 meters, centered 34°45'44.0"N 126°20'32.0"E Anchor berth "7" [N11.2], radius 300 meters, centered 34°44'32.0"N 126°20'15.0"E Anchor berth "8" [N11.2], radius 300 meters, centered 34°44'23.0"N 126°20'42.0"E Anchor berth "9" [N11.2], radius 300 meters, centered 34°43'44.0"N 126°22'26.0"E (See 25/95-95085) (25(310)00 Inchon)	12/03
83252	8Ed. 7/4/98 LAST NM 2/03 Delete Dashed line and legends "(128°-308°)" and "Passe...308)" between 23°05'48.9"S 135°03'27.0"W 23°08'40.0"S 134°59'30.1"W Change Color of beacon to WG (17(38)00 Brest)	12/03	95086	5Ed. 6/18/94 LAST NM 11/03 Delete Anchor berth "1" 34°46'33.0"N 126°22'34.0"E Anchor berth "2" 34°46'29.0"N 126°22'55.0"E Quarantine anchorage in vicinity 34°45'38.0"N 126°20'31.0"E (See 47/98-95086) Change Designation of anchor berth "3" to "1" 34°46'30.0"N 126°23'14.0"E Designation of anchor berth "4" to "2" 34°46'34.0"N 126°23'34.0"E Designation of anchor berth "5" to "3" 34°46'40.0"N 126°23'52.0"E Designation of anchor berth "6" to "4" 34°46'42.0"N 126°24'12.0"E Add "Quarantine Anchorage Area" [N12.8], radius 500 meters, centered 34°45'44.0"N 126°20'32.0"E Anchor berth "5" [N11.2], radius 250 meters, centered 34°47'26.0"N 126°25'45.0"E	12/03
83253	2Ed. 8/29/98 LAST NM 18/02 Delete Dashed line and legend "128°-308°" between 23°07'42.7"S 135°00'48.1"W 23°08'40.2"S 134°59'30.1"W (17(38)00 Brest)	12/03			
91008	1Ed. 7/18/92 LAST NM 10/03 Add Dangerous wreck [K28] (2/03 Tso-ying)	12/03 24°16.4'N 119°43.0'E			
91010	6Ed. 9/2/95 LAST NM 10/03 Add Dangerous wreck [K28] (2/03 Tso-ying)	12/03 24°16.4'N 119°43.0'E			
93726	4Ed. 4/20/96 LAST NM 8/03 Delete Buoy "31-1"	12/03 22°48'45.0"N 113°36'19.0"E			
	Relocate Buoy "31" from 22°48'24.0"N 113°36'30.0"E to 22°48'21.5"N 113°36'28.0"E (1(3)03 Tianjin)	22°48'21.5"N 113°36'28.0"E			
94004	6Ed. 9/2/95 LAST NM 10/03 Add Dangerous wreck [K28] (2/03 Tso-ying)	12/03 24°16.4'N 119°43.0'E			
94060	10Ed. 5/18/96 LAST NM 10/03 Add Dangerous wreck [K28] (2/03 Tso-ying)	12/03 24°16.4'N 119°43.0'E			

(continued on next page)

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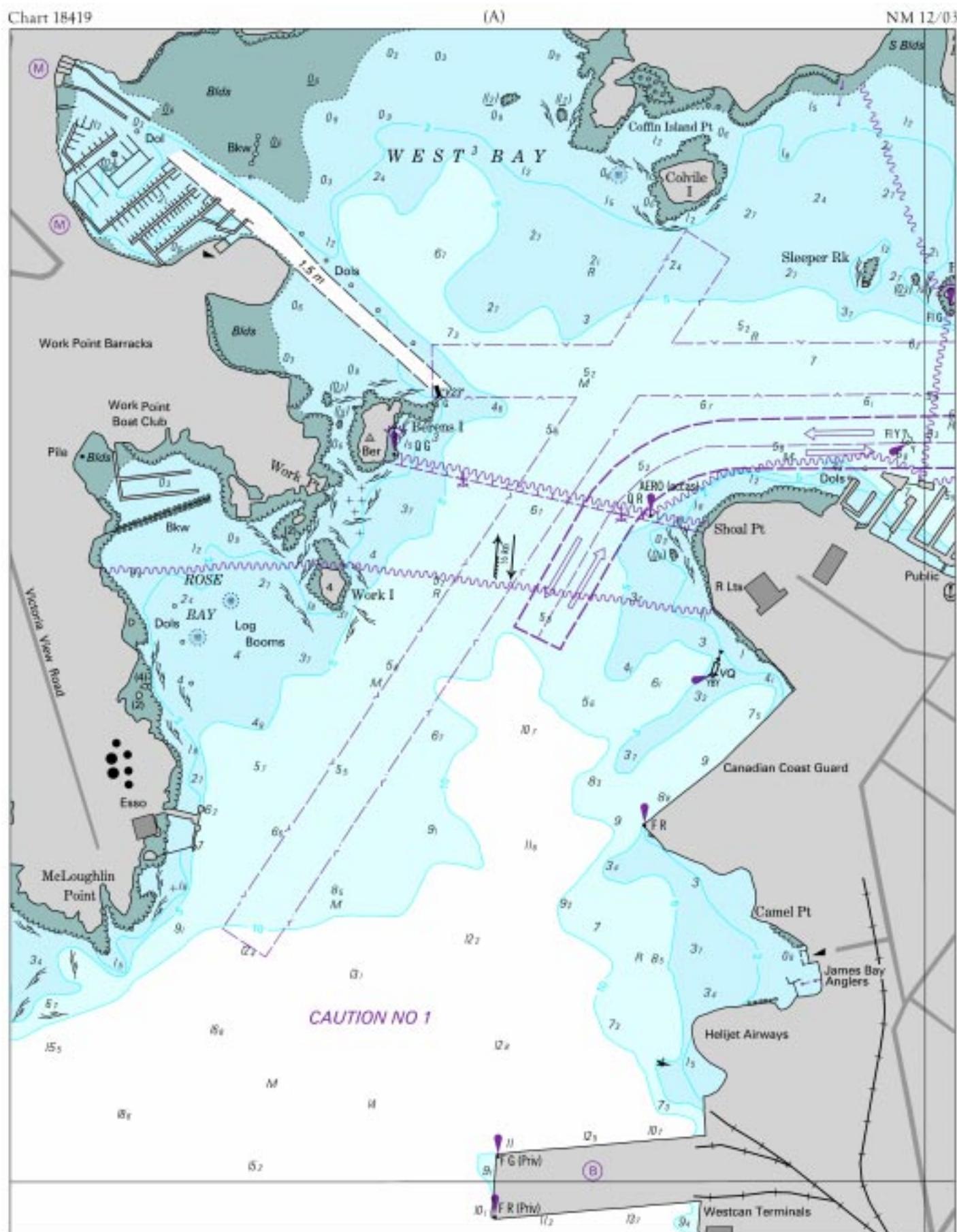
95086	(Continued)				
	Anchor berth "6" [N11.2], radius 250 meters, centered	34°47'14.0"N 126°26'01.0"E		Fish haven symbol [K46.1] (13(451)01 Tokyo)	41°29'36"N 141°00'06"E
	Anchor berth "7" [N11.2], radius 300 meters, centered	34°44'32.0"N 126°20'15.0"E			
	Anchor berth "8" [N11.2], radius 300 meters, centered	34°44'23.0"N 126°20'42.0"E			
	Anchor berth "9" [N11.2] greater arc of a circle, radius 300 meters, centered	34°43'44.0"N 126°22'26.0"E 34°43'41.0"N 126°22'14.8"E 34°43'41.0"N 126°22'36.7"E			
	(Plan)				
Delete	Anchor berth "1"	34°46'33.0"N 126°22'34.0"E			
	Anchor berth "2"	34°46'29.0"N 126°22'55.0"E			
Change	Designation of anchor berth "3" to "1"	34°46'30.0"N 126°23'14.0"E			
	Designation of anchor berth "4" to "2"	34°46'34.0"N 126°23'34.0"E			
	Designation of anchor berth "5" to "3"	34°46'40.0"N 126°23'52.0"E			
	Designation of anchor berth "6" to "4"	34°46'42.0"N 126°24'12.0"E			
	(25(310)00 Inchon)				
95103	8Ed. 5/18/96 LAST NM 10/03		12/03		
Delete	Buoy "Z"	33°26'42"N 126°56'00"E			
Add	Buoy "A" Y, conical, "X" topmark	33°24'42"N 126°55'56"E			
	Buoy "B" Y, conical, "X" topmark	33°24'53"N 126°55'42"E			
	(23(291, 292)00 Inchon)				
95143	11Ed. 5/15/99 LAST NM 11/03		12/03		
Add	Light Fl(4) Y 8s 12m 7M	34°56'29"N 127°49'17"E			
	Buoy "A" Y, conical, "X" topmark	34°41'32"N 128°00'49"E			
	Buoy "B" Y, conical, "X" topmark	34°41'48"N 128°00'50"E			
	Buoy "C" Y, conical, "X" topmark	34°42'05"N 128°00'43"E			
	(23(286, 287)00 Inchon)				
95174	1Ed. 8/7/93 LAST NM 52/02		12/03		
Add	Legend "Works in progress (2000)"	37°50'12.0"N 128°52'36.0"E			
	(25(301)00 Inchon)				
95271	4Ed. 2/7/98 LAST NM 10/03		12/03		
Add	Fish haven symbol [K46.1]	37°00'17.0"N 137°03'12.0"E			
	(50(1786)00 Tokyo)				
96382	2Ed. 7/22/89 LAST NM 10/03		12/03		
Add	Depth 14.6 meters	52°11'55"N 141°36'22"E			
	Depth 5.2 meters	52°13'07"N 141°34'40"E			
	Depth 5.8 meters	52°15'37"N 141°31'27"E			
	Depth 14.4 meters	52°12'55"N 141°35'22"E			
	Depth 6.9 meters	52°15'49"N 141°30'37"E			
	Depth 4.6 meters, blue tint and enclosing depth contour (5-meter) centered	52°15'50"N 141°35'01"E			
	Depth 5 meters, blue tint and enclosing depth contour (5-meter) centered	52°15'34"N 141°35'10"E			
	Depth 1.2 meters, blue tint and enclosing depth contour (2-meter) centered	52°14'31"N 141°33'21"E			
	(43(6696)02 St. Petersburg)				
96400	4Ed. 12/2/95 LAST NM 43/01		12/03		
Add	Depth 14.6 meters	52°11.9"N 141°36.4"E			
	(43(6696)02 St. Petersburg)				
96904	2Ed. 7/9/77 LAST NM 41/02		12/03		
Add	Fish haven symbol [K46.1]	43°30'18"N 145°35'56"E			
	Fish haven symbol [K46.1]	43°29'42"N 145°36'45"E			
	(12(403)01 Tokyo)				
96943	15Ed. 12/9/95 LAST NM 10/03		12/03		
Add	Fish haven symbol [K46.1]	41°30'30"N 140°58'42"E			
96947	15Ed. 5/16/98 LAST NM 6/03		12/03		
Add	Fish haven area with blue tint [K46.1] bound by dotted line (limiting danger line) joining	41°44'54.3"N 140°41'41.3"E 41°44'52.2"N 140°41'34.2"E 41°45'00.3"N 140°41'30.0"E 41°45'02.3"N 140°41'37.1"E			
	Fish haven area with blue tint [K46.1] bound by dotted line (limiting danger line) joining	41°44'30.3"N 140°42'45.5"E 41°44'26.3"N 140°42'51.0"E 41°44'20.1"N 140°42'43.0"E 41°44'24.1"N 140°42'37.6"E			
	Fish haven area with blue tint [K46.1] bound by dotted line (limiting danger line) joining	41°44'35.9"N 140°43'02.7"E 41°44'32.6"N 140°43'13.3"E 41°44'27.3"N 140°43'10.4"E 41°44'30.6"N 140°42'59.8"E			
	(19(660)01 Tokyo)				
97041	9Ed. 7/25/98 LAST NM 10/03		12/03		
Add	Double dashed line with legend "Submerged jetty" [Fb] joining	40°32'35.1"N 141°30'51.6"E 40°32'36.4"N 141°30'51.7"E 40°32'40.4"N 141°30'57.3"E			
	Buoy Y, conical, (Y Lt)	40°32'40.4"N 141°30'57.3"E			
	Buoy Y, conical, (Y Lt)	40°32'38.9"N 141°30'55.4"E			
	Buoy Y, conical, (Y Lt)	40°32'37.6"N 141°30'53.5"E			
	Buoy Y, conical, (Y Lt)	40°32'36.2"N 141°30'51.7"E			
	(1(4)03 Tokyo)				
97060	8Ed. 9/6/97 LAST NM 46/02		12/03		
Add	Wreck [K29]	(5(150)03 Tokyo)			
97151	16Ed. 7/5/97 LAST NM 45/02		12/03		
Change	Light to Fl(2) R 5s 10m 7M	(39(1351)02 Tokyo)			
97155	14Ed. 12/27/97 LAST NM 48/02		12/03		
Add	Chartlet A, depicting changes in hydrography and topography, from Subsection I-2	35°36'18.0"N 139°46'36.0"E			
	Chartlet B, depicting changes in hydrography and topography, from Subsection I-2	35°35'00.0"N 139°47'12.0"E			
	Chartlet C, depicting changes in hydrography and topography, from Subsection I-2	35°34'00.0"N 139°48'42.0"E			
	Dashed line between	35°34'49.0"N 139°48'09.0"E 35°34'43.5"N 139°48'15.0"E			
	(35(1199), 39(1351)02 Tokyo; Jpn CH W1065)				
97181	20Ed. 3/26/94 LAST NM 8/03		12/03		
Add	Fish haven symbol [K46.1]	(4(117)01 Tokyo)			
97182	13Ed. 1/1/94 LAST NM 8/03		12/03		
Add	Fish haven symbol [K46.1]	34°34'42.0"N 136°50'14.0"E			
	Fish haven symbol [K46.1]	34°34'47.0"N 136°50'25.0"E			
	Fish haven symbol [K46.1]	34°34'50.0"N 136°50'15.0"E			
	Fish haven symbol [K46.1]	34°33'51.0"N 136°48'24.0"E			
	(21(745)01 Tokyo)				
97184	15Ed. 9/13/97 LAST NM 7/03		12/03		
Add	Legend "Lesser depths reported (2003)" between	35°02'42.0"N 136°49'59.0"E 35°02'07.0"N 136°50'14.0"E			
	(See 28/02-97184)	(5(166)03 Tokyo)			

97271	12Ed. 11/29/97 LAST NM 10/03 Add Fish haven symbol [K46.1] Fish haven symbol [K46.1] (4(122), 21(747)01 Tokyo)	12/03 33°48'50"N 132°05'06"E 33°49'27"N 132°08'06"E
97272	11Ed. 6/14/97 LAST NM 10/03 Add Fish haven symbol [K46.1] Fish haven symbol [K46.1] (11(379, 380)01 Tokyo)	12/03 33°57'16"N 131°42'05"E 34°00'39"N 131°37'43"E
97390	5Ed. 8/9/97 LAST NM 5/03 Substitute Depth 6.1 meters for 8 meters Depth 15.4 meters for 18 meters (5(173)03 Tokyo)	12/03 32°43'25"N 129°48'21"E 32°41'50"N 129°48'05"E
97391	26Ed. 8/16/97 LAST NM 7/03 Substitute Depth 6.1 meters for 8 meters Depth 15.4 meters for 18 meters (5(173)03 Tokyo; Jpn CH W202)	12/03 32°43'24.0"N 129°48'21.0"E 32°41'50.2"N 129°48'05.0"E
97400	3Ed. 10/28/89 LAST NM 1/03 Substitute Solid line for dashed line in vicinity, add land tint to area and change legend to "Being Reclaimed (2003)" Add Land tint and legend "Under construction" to area bound by reclamation area, shore and dashed line joining (2(47)03 Tokyo)	12/03 33°08'37.0"N 129°43'28.4"E 33°08'36.7"N 129°43'35.3"E 33°08'33.5"N 129°43'29.4"E 33°08'33.4"N 129°43'28.5"E 33°08'36.7"N 129°43'28.1"E
800744	1Ed. 9/24/88 LAST NM N5/03 Delete Buoy "10" Add Buoy "S" GR, can (7/03 CG14)	N12/03 21°26'55"N 157°47'40"W 21°26'54"N 157°47'41"W
805118	3Ed. 1/23/99 LAST NM N1/00 Delete Light Add Light Fl 6s 23m 6M with sectors green 030°-040°, white-047°, red-057° (2A/03 CG14)	N12/03 15°14'25"N 145°42'40"E 15°14'27"N 145°42'45"E
809679	2Ed. 2/22/86 LAST NM N50/02 Add "DANGER AREA FIRING RANGE" bound by shore and purple dashed line joining (NOS)	N12/03 32°36'36.4"N 117°08'03.1"W 32°36'31.6"N 117°10'21.2"W 32°35'32.6"N 117°10'18.6"W 32°35'37.7"N 117°07'54.4"W

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Chart 18419



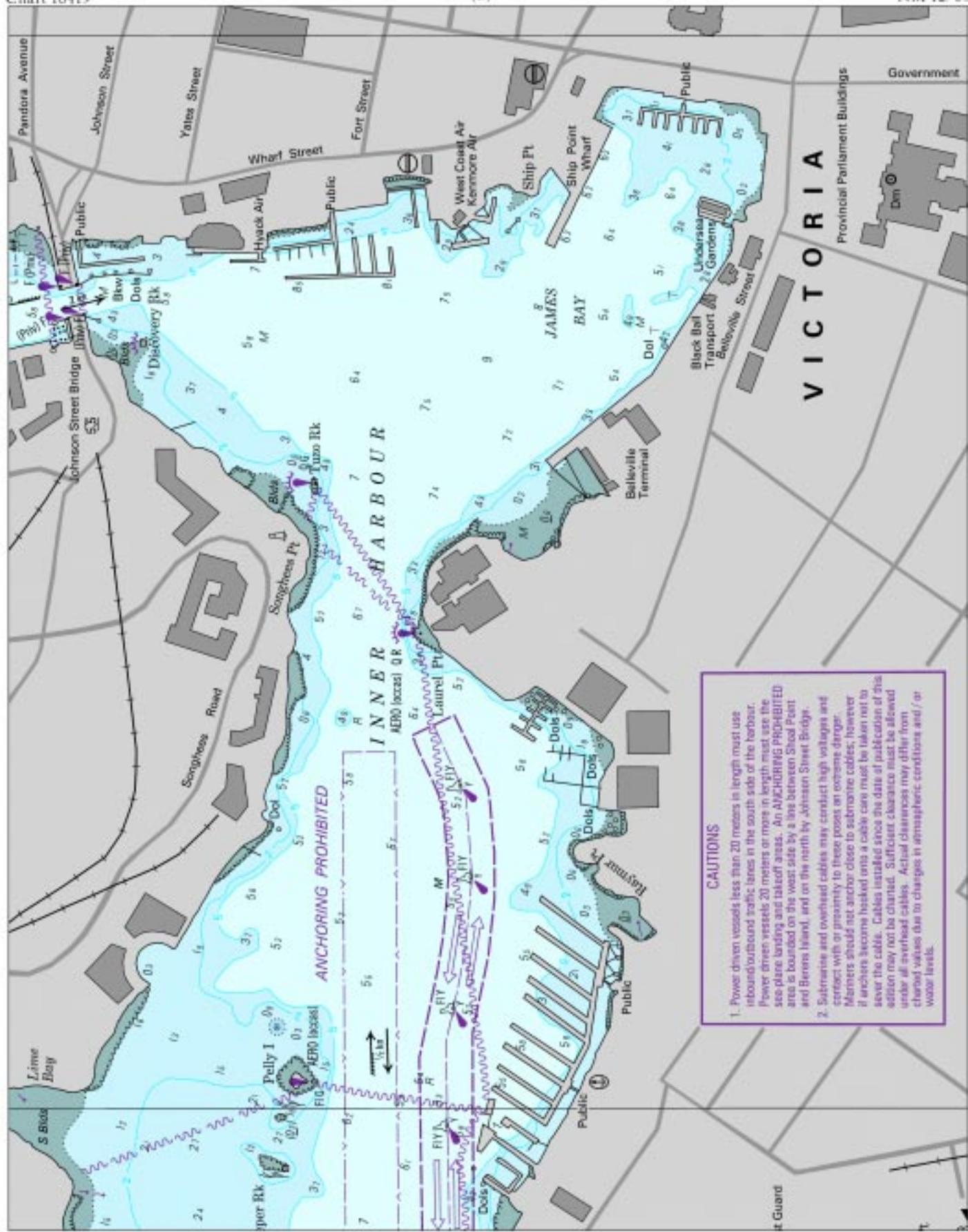
SECTION I

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Chart 18419

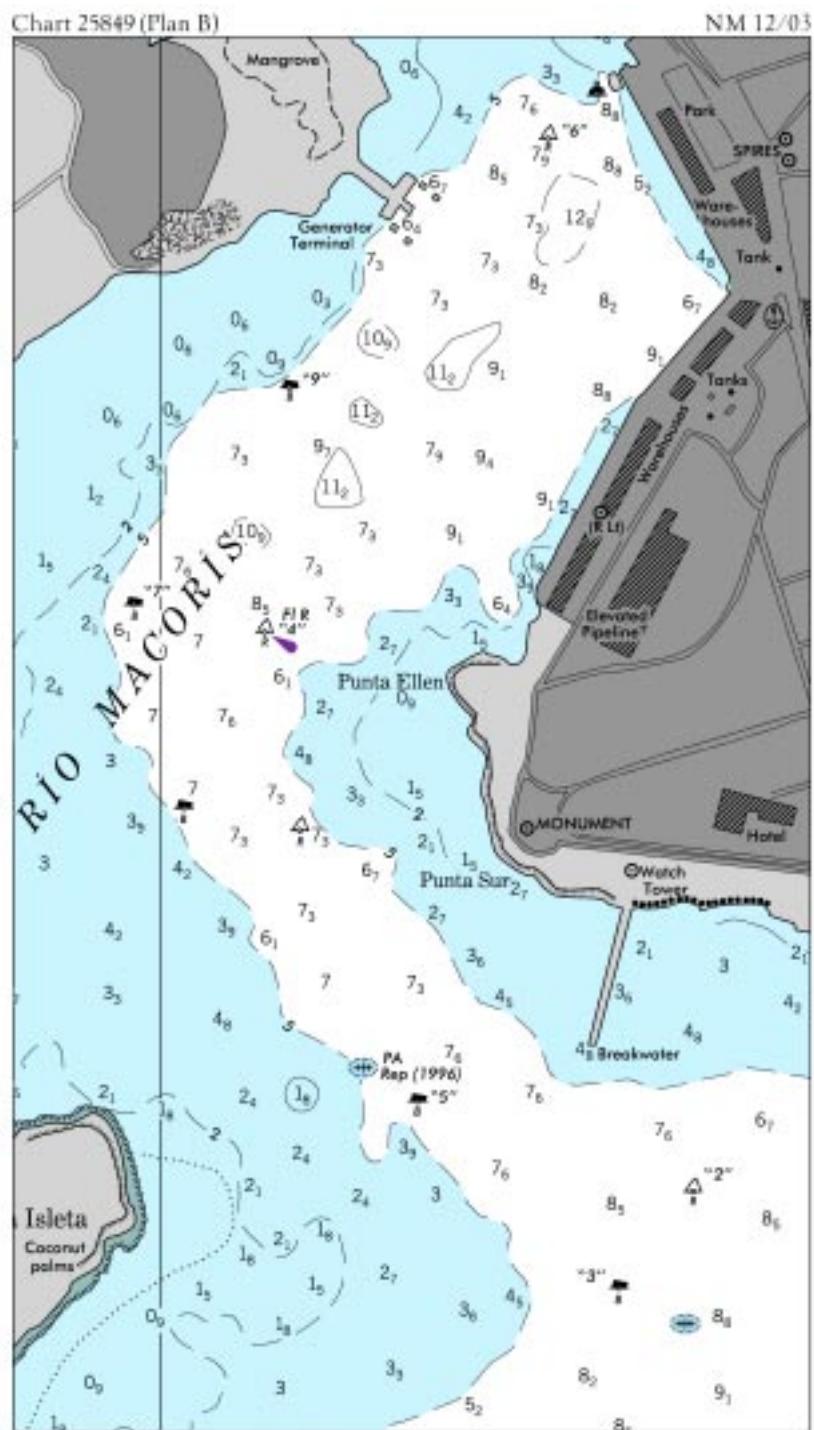
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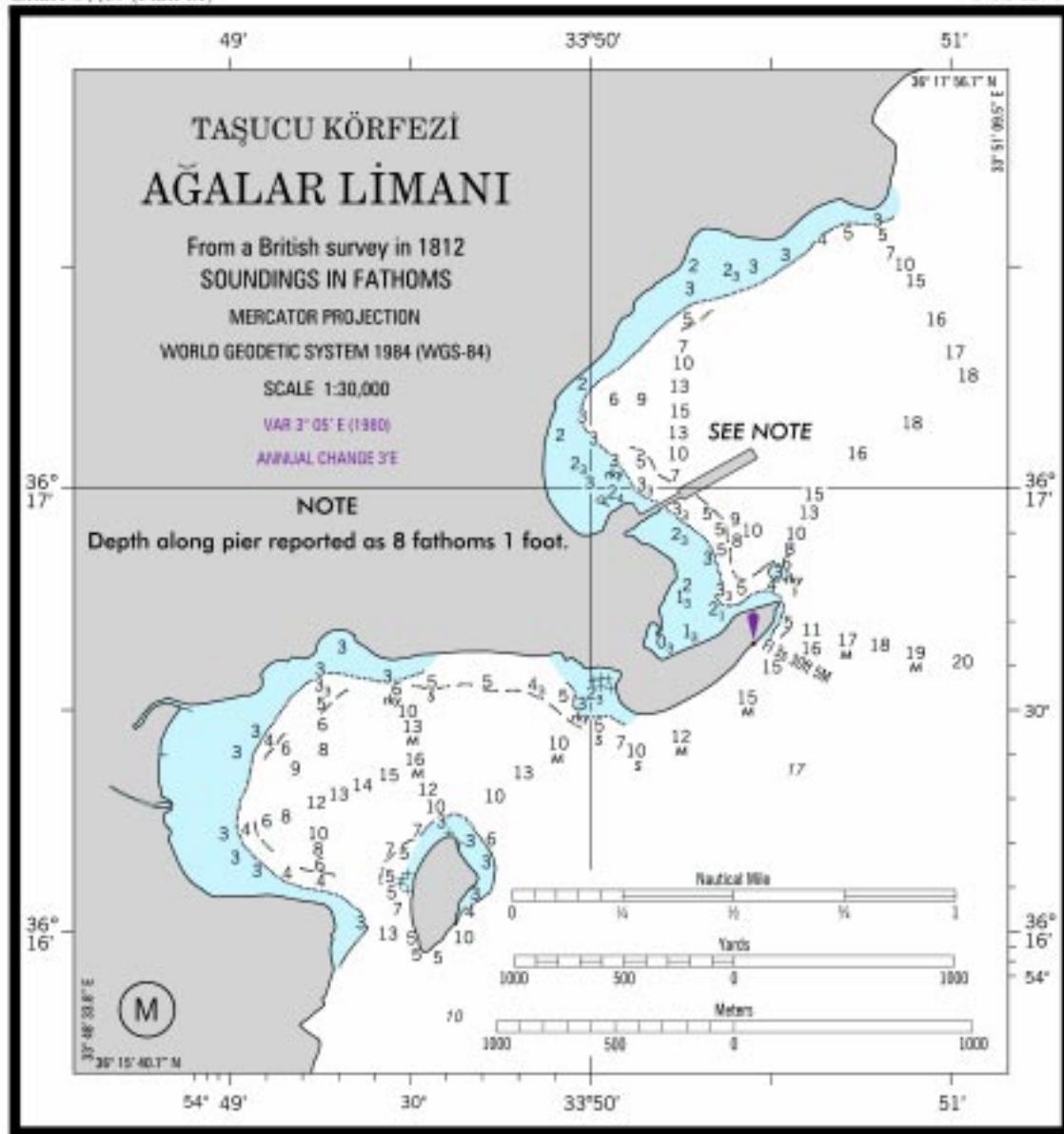


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Chart 54409 (Plan M)

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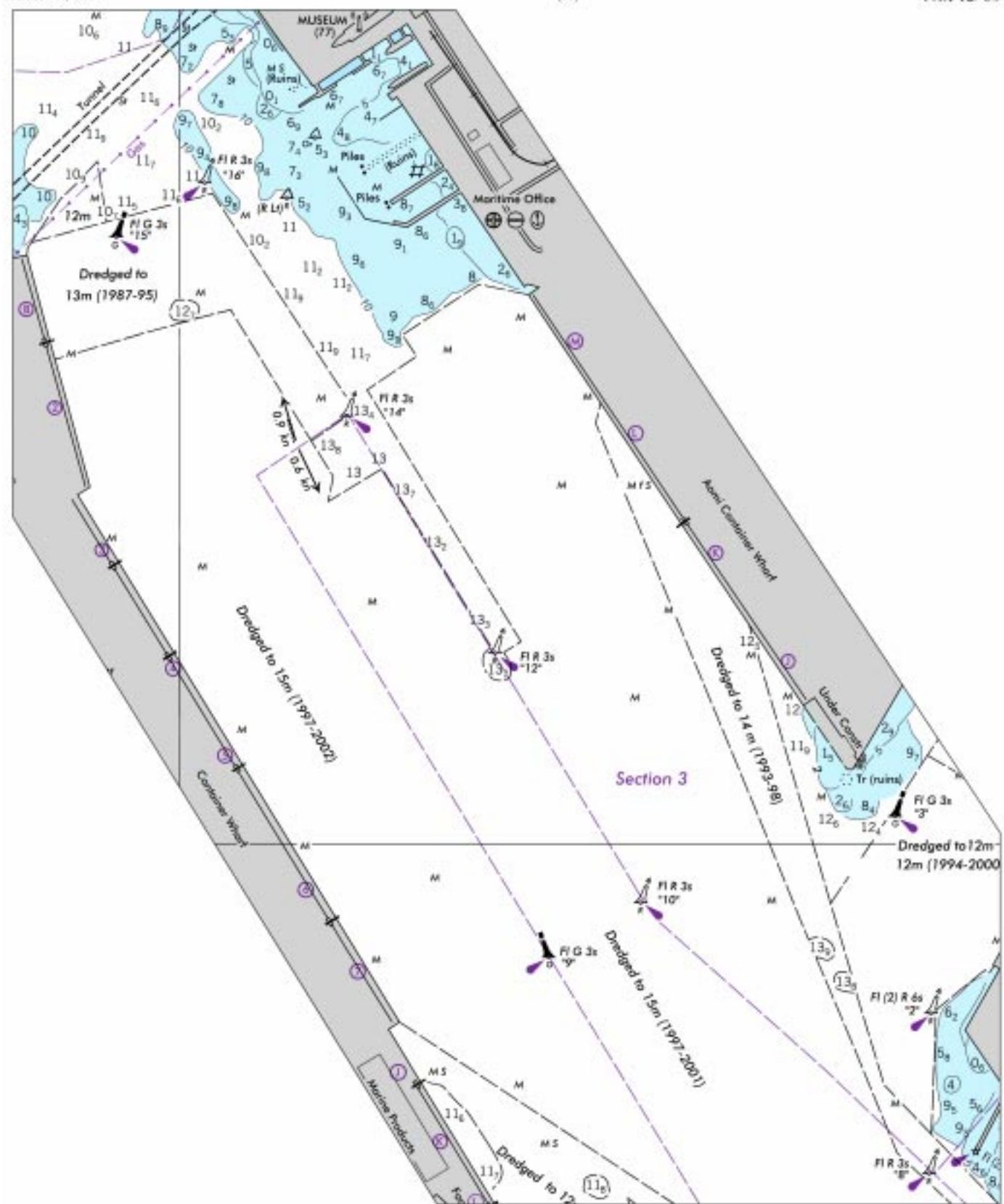
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Chart 97155

(A)

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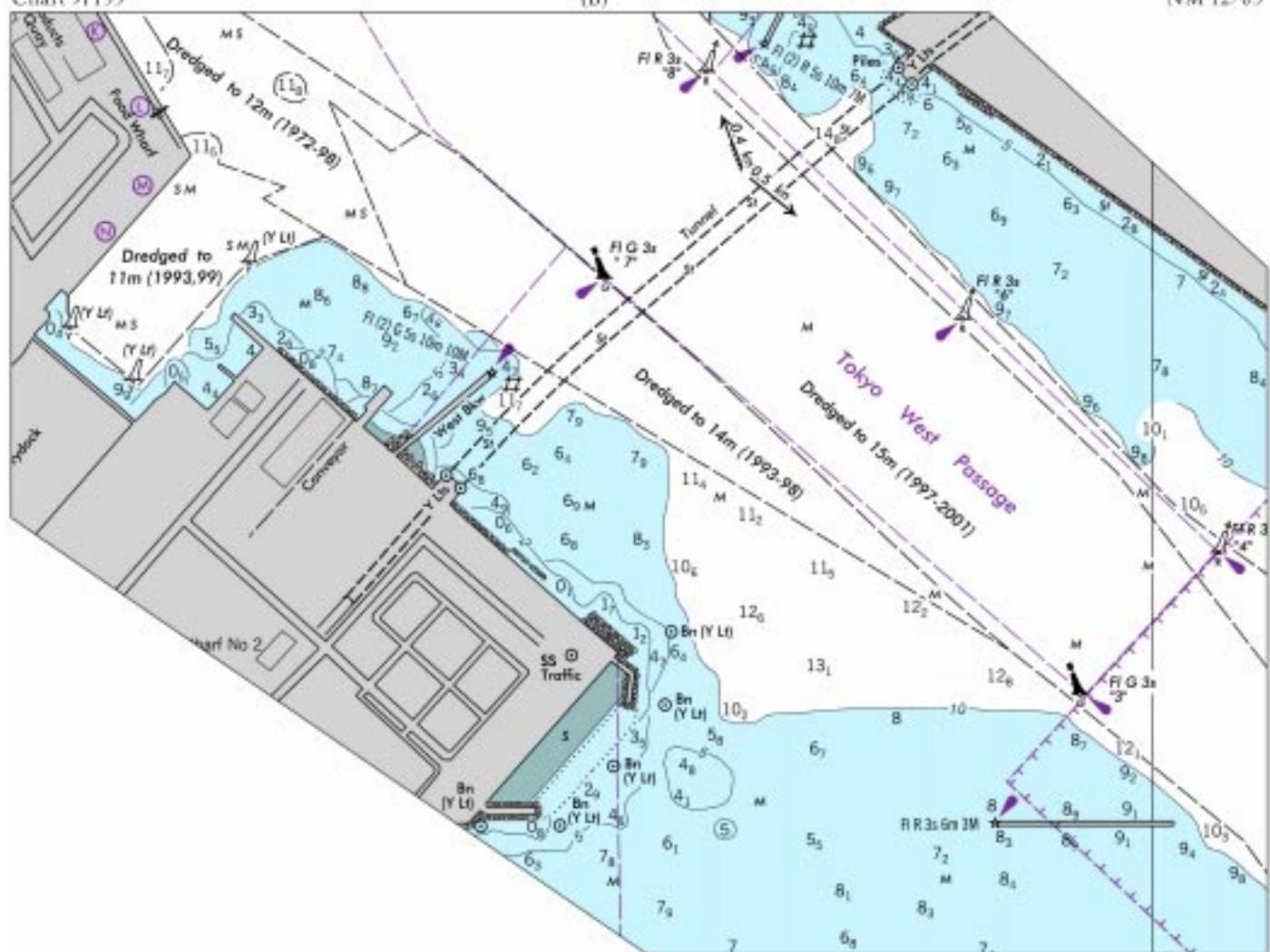
SECTION I

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Chart 97155

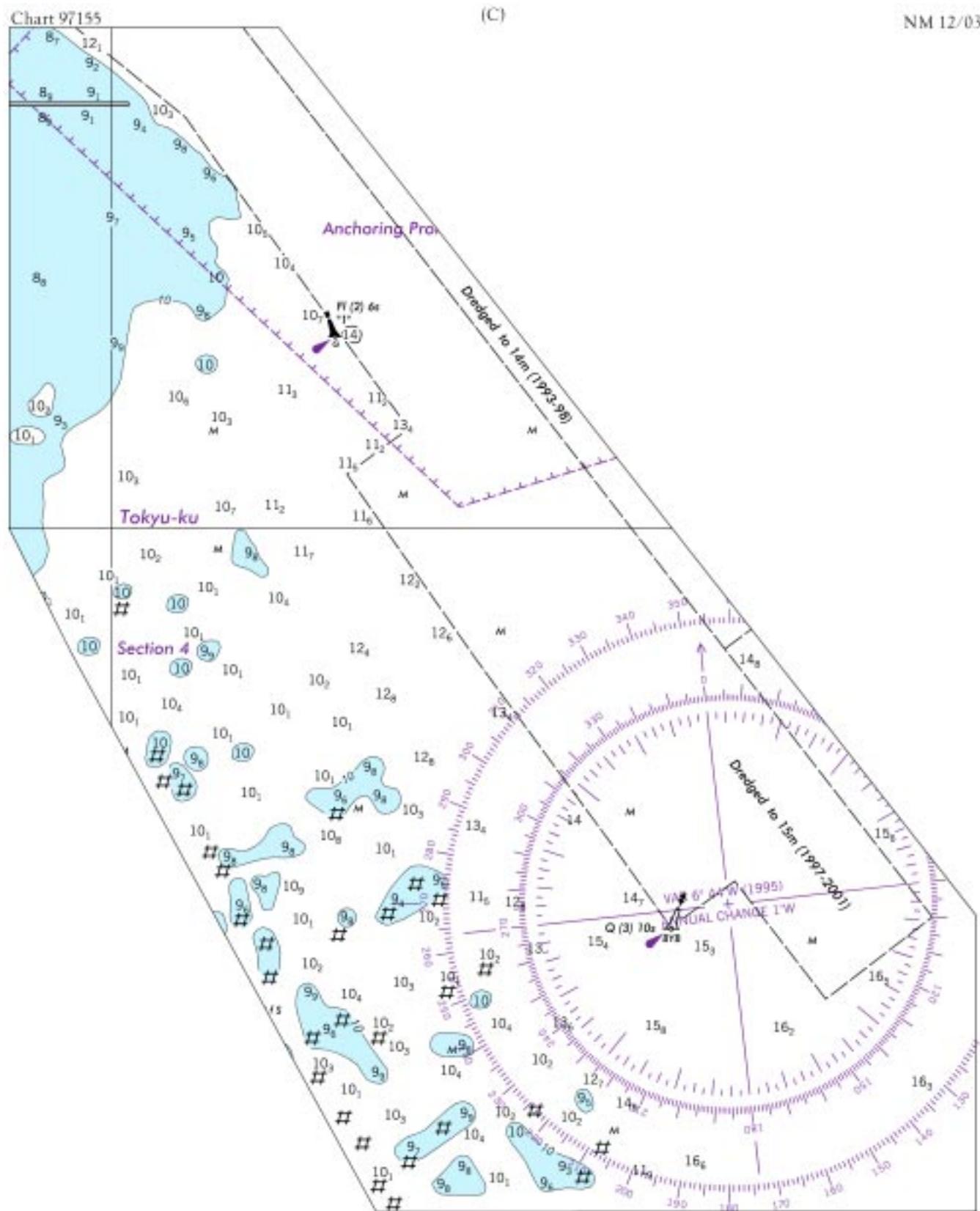
(B)

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Chart 18685

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MOSS LANDING HARBOR						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO OCT 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	LENGTH (NAUT. MILES)
ENTRANCE CHANNEL	11.5	9.7	9.3	10-02	200	0.3 15
TURNING BASIN	10.0	13.1	10.7	10-02	300	0.1 15
INNER CHANNEL	13.5	12.3	13.1	10-02	100	0.4 15
INNER TURNING BASIN	12.3	12.0	13.5	10-02	100-120	0.1 15

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

Chart 18773

NM 12/03

SAN DIEGO HARBOR CHANNEL DEPTHS						
TABULATED FROM SURVEYS BY THE CORPS OF ENGINEERS - SURVEYS TO JUL 2002						
CONTROLLING DEPTHS FROM SEAWARD IN FEET AT MEAN LOWER LOW WATER (MLLW)				PROJECT DIMENSIONS		
NAME OF CHANNEL	LEFT OUTSIDE QUARTER	MIDDLE HALF OF CHANNEL	RIGHT OUTSIDE QUARTER	DATE OF SURVEY	WIDTH (FEET)	DEPTH (NAUT. MILES)
SAN DIEGO HARBOR ENTRANCE CHANNEL	47.2A	46.9	46.2	7-02	800	2.1 42

A. EXCEPT FOR SHOALING TO 37.7 FT FOR OUTSIDE 60 FT OF CHANNEL

NOTE - CONSULT THE CORPS OF ENGINEERS FOR CHANGES SUBSEQUENT TO THE ABOVE INFORMATION

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 12/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
 * indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	
12	1	45/02	11312	3	2*,4,7,8,21,26,28,36, 46/02;1,6,7/03	11373	42	31*,33,37,40,41,42,45, 49/02;7,9/03	11488	24	7/03	
50	5	5,8,17/02	11313	22	4,31/02	11374	31	45*,49,50/02;1,2,7,8, 9/03	11489	34	8*,12/03	
51	1	7/02	11314	21	4,8,14/02	11375	35	1*,2,5,7,9/03	11490	17	2/02	
52	1	14,18/02	11315	30	37/02*	11376	48	9*,13,15,16,21,22,23,25, 27,29,31,40,43,50/02;2, 7/03	11491	33	2,18,22,28,29,30,34,37, 38/02;12/03	
53	2	5,17/02	11316	38	4,11,13,14,16,21,25,36, 37,40,49/02	11377	4	26*,40,50/02;2/03	11492	19	9/02*	
70	4	7/03	11317	29	20*,21,25,37,40,49/02	11378	32	11*,12/03	11493	9	N11,N24,N39/02;N12/03	
71	4	7/03	11318	1	N6,N7,N12,N21,N29, N46/02;N6/03	11379	39	46/02*,9/03	11494	8	N11,N12,N24,N39/02	
101	3	48/02	11319	30	11,13,25,40/02	11380	49	19*,22,27,30,32/02;9/03	11495	16	19/02*	
108	9	12,13,32,35/02	11320	1	N8,N9,N28/02	11381	32	3,10,18,22,30,32/02;9/03	11496	9	N6,N32,N35/02;N1/03	
302	1	2/03	11321	29	12*,22,28,39,40,41,45/02	11382	32	7,10,34/02	11498	16	19/02*	
310	20	2/03	11322	27	21,22,24,36,37,49/02;	11383	49	19*,22,27,30,32/02;9/03	11502	28	11/02	
400	3	23,26,31,32,33,35,45/02	4/03	11323	59	26*,28,33,37,39,45/02;1, 6,7/03	11384	32	3,10,18,22,30,32/02;9/03	11503	39	38*,39,43/02;12/03
401	5	22,23,26,31,33,35,45/02	11324	32	22*,24,25,31,33,37/02;1, 6,7,9,10/03	11385	27	23/02*	11504	15	12/03	
411	48	11,13,16,22,23,26,31,32, 33,35,40,42,45,50/02;5, 6/03	11325	34	19*,21,24,35,37,49/02;4, 6,8/03	11386	16	7,10,17/02	11505	1	4,11,16,18,26,28,31,34, 40,49/02;1,4,5,11/03	
500	7	5/02	11326	31	7*,9/03	11387	32	2*,7,8,11,18,23,28,33, 37/02;2,7/03	11506	40	10/03*	
501	12	9*,10/03	11327	30	5,7,10,11,16,21,22,24,28, 37,49/02;1/03	11389	22	23*,27,33,34,37/02;7/03	11507	31	9*,12/03	
502	2	52/02	11328	22	6,7,9,10,21,36,37,39,47, 49/02;4,6/03	11391	22	6,8,18,23,33,34/02;7/03	11508	21	10/03*	
507	2	45/02	11329	34	12*,21,24,36,37,39,47, 49/02;1,4,8,10/03	11392	6	2,10,34/02	11509	27	12*,20/02;1,11/03	
508	2	15,24,45/02	11330	14	2*,4,6,7,8/03	11393	20	5*,7,8,11,18/02	11510	18	34/02	
509	4	14/02	11331	18	11,17,23/02;8/03	11400	34	9*,11,23,39/02;4,9,11, 12/03	11511	16	12/02*,11/03	
513	6	5,17,38/02	11332	28	42*,43,49,51/02;6/03	11401	29	8,3/02	11512	59	10*,11/03	
520	127	5,8,20,38/02	11333	1	N28/02	11402	21	15,23,50/02;9/03	11513	23	4,18,32,49/02;1/03	
521	11	5,17/02	11334	67	2*,5,6,7,8,9/03	11404	21	49*,40,49/02;4,5/03	11514	26	37*,40,49/02;4,5/03	
522	87	14,18/02	11335	38	6,7,9,10,11,12,16,18,21, 22,23,24,28,30,31,34,36, 37,39,43/02/03	11405	28	31/02*,9/03	11515	17	10/02*	
523	8	5,17/02	11336	14	2*,4,6,7,8/03	11406	11	9/03	11516	29	7*,18,24,37,49/02	
524	12	14,18,47/02	11337	18	11,17,23/02;8/03	11407	18	15/02*	11517	17	32/02	
525	3	14,18/02	11338	1	N20/02	11408	28	3/03*	11518	32	6,15,16,32,35,43,48, 52/02;11/03	
526	10	7,9,12,18,47/02;6/03	11339	31	2*,21,24,36,37,39,47, 49/02;1,4,8,10/03	11409	27	4,11/03	11520	40	31*,39,40,44,46,51/02;4, 6,7,8/03	
530	30	22*,26,37,38,40,52/02;6, 10/03	11340	67	2*,5,6,7,8,9/03	11411	14	43*,45/02;7/03	11521	26	15*,17,32,35/02;9/03	
531	21	18*,47,52/02	11341	38	6,7,9,10,11,12,16,18,21, 22,23,24,28,30,31,34,36, 37,39,43/02/03	11412	41	42*,45/02;1,6,7,11,12/03	11523	21	15*,17,32,35,52/02;5, 9/03	
532	17	5,17,38/02	11342	51	7,11,14,17,21,23,24,30, 37,43,49/02;4,8/03	11413	5	42,48/02;1,2,6,11,12/03	11524	46	8*,11,12/03	
540	16	51/02	11343	36	7,17,21,23,37,40,49/02;4, 8/03	11414	25	21,24,36,42/02;4/03	11525	6	N2,N12,N14,N17,N19, N23,N39,N40,N44,N46, N51/02;N4,N6,N8/03	
541	2	6/03	11344	35	9/03*	11415	35	1*,45/02;1,2,7/03	11527	16	12,37/02	
550	7	18,24,45/02;6/03	11345	31	9/03*	11416	11	31/02*,11/03	11531	21	31/02*,11/03	
601	4	14/02;6,8/03	11346	33	42*,43,47,49/02;4,6,7, 8/03	11417	33	51/02*,6/03	11532	20	15*,37/02	
602	6	12,47/02;6/03	11347	33	42*,43,47,49/02;4,6,7, 8/03	11418	21	47/02*	11534	31	2*,9,13,14,32/02;7/03	
603	6	47/02;10/03	11348	19	23/02;6,7/03	11419	24	16/02	11535	12	12*,25,46/02	
604	5	12,18/02	11349	40	38*,42,51/02	11420	16	36/02;4/02;4,7/03	11536	15	19*,40/02;4,7/03	
605	4	9,12/02;6/03	11350	24	15/02*	11421	11	31/02*,11/03	11537	33	7*,8,9,13,17,20,23,31,32, 33,39,40,42,44,50/02;4,5, 7,10/03	
606	1	9/02	11351	37	5,6,8,9,10,11,12,15,16, 19,22,27,28,30,33,36,37, 38,40,47,51/02;5,6,7, 8/03	11422	11	7,8/03	11539	18	2,9,39,44,51/02;6/03	
607	1	7/02	11352	36	3*,7,8,9/03	11423	11	7,8/03	11541	33	8*,9/03	
621	5	7,22/02	11353	2	21*,24,25,26,35,38,43, 45,49/02;4,5,7/03	11424	35	31/02*	11542	15	39/02	
622	9	9,12,14,20,47/02;6/03	11354	23	5,6,8,12,15,16,19,22,27, 28,33,37,38,40,47,51/02; 7,8/03	11425	30	15/02*,6,7/03	11543	22	13,18,29,39/02;8/03	
623	9	14,47/02	11355	24	15/02*	11426	30	36/02;7/03	11544	37	36/02*,8/03	
624	3	22/02	11356	34	9,11,12,13,28,29,39,40, 42,45,47,51/02;6,7/03	11427	35	38/02*	11545	60	45*,47/02;6,8/03	
632	8	15,24,45/02	11357	35	36*,37,40,42,51/02;6, 9/03	11428	11	7/03	11547	35	22*,25,29,30,37,47/02;6, 8/03	
702	5	7/03	11358	51	23*,24,26,27,31,39,42, 51/02;7/03	11429	30	26*,28/02	11548	38	47/02*	
703	4	46/02;7/03	11359	11	22,26,39/02	11430	30	8*,22,28,43/02;7,9/03	11553	28	8/03*	
705	3	12,46,52/02	11360	40	1*,2,5,6,8/03	11431	21	31/02*	11555	38	36/02*,7/03	
709	2	50/02	11361	69	13*,16,17,19,22,24,25, 26,27,31,34,36,45,51/02; 6/03	11432	11	7/03	12200	47	38*,42,52/02;7,12/03	
800	4	17/02	11362	4	N5,N6,N7,N8,N10,N12, N13,N14,N16,N17,N18, N22,N23,N24,N28,N29, N31,N33,N36,N39,N40, N47/02;N2,N5,N6,N8/03	11433	11	7/03	12201	25	N14,N15,N17,N19,N23, N42,N52/02;N7,N12/03	
803	1	8,17/02	11363	38	26*,29,35,38,40,43,49, 51/02;4,5,7/03	11434	14	7/03	12204	35	10/03*	
1113A		5,20,39,42/02;4,7,8/03	11364	39	3*,4,5,8,9/03	11435	16	16,27,51/02	12205	27	37*,43,52/02	
1114A		9*,11,23,39/02;4,9,11, 12/03	11365	17	52/02*,9/03	11436	19	16/02;6/03	12206	29	31*,33,38,46/02;10/03	
1115A		1*,2,5,6,8/03	11366	7	48*,51/02;5,6,7,8/03	11437	6	N2,N16/02	12207	20	2,11,23,50,52/02	
1116A		2*,5,6,7,8,9/03	11367	31	5,12,16,17,25,33/02	11438	11	7,9,12/03	12208	8	12*,18,23,50,52/02	
1117A		28*,30,31,37,39,40, 42,45,51/02;1,6,7,8/ 9/03	11368	22	38/02*	11439	37	47*,50/02;4,12/03	12209	36	8/03*	
11004	7	4,7,8,9,10,11,12,13,15, 16,18,22,26,28,31,37,39, 40,42,43,45,47,51/02;5,6, 7,8,9/03	11369	44	9/03*	11440	16	16,27,51/02	12211	41	10/03*	
11006	30	28*,36,39,40/02;2,6/03	11370	23	2*,5,6,17,31,33,40,51/02; 9/03	11441	19	16/02;6/03	12214	43	5,11,12,23,26,27,42/02	
11009	36	2*,5,12,19,23,24,32,35, 44,51/02;6,12/03	11371	17	52/02*,9/03	11442	6	N2,N16/02	12216	27	47/02*	
11013	44	18*,20,35,50/02;6,7,8, 9/03	11372	35	9/02;7/03	11443	19	2,4,15,16,31,49/02;6/03	12217	73	52/02*,1,4,6,7/03	
11300	38	26*,28,30,31,37,39,40, 41,42,45,51/02;1,6,7, 8/03	11373	30	2*,7,8,10/03	11444	4	N5,N8,N12,N15,N24, N27,N28,N29,N35, N37/02;N6/03	12222	42	13*,27,30,33,34,38,43, 44,46,50,52/02;5,6,10, 11/03	
11301	23	7,10,14,21,37/02	11374	44	9/03*	11445	16	16,27,51/02	12224	23	8/03*	
11302	29	34*,37/02	11375	17	52/02*,9/03	11446	19	16/02;6/03	12225	53	28*,30,31,47/02;4,6,7/03	
11304	12	10/02	11376	6	N2,N16/02	11447	6	N2,N16/02	12226	16	2*,22,30,42/02;7/03	
11305	1	N6,N7,N11,N21,N26, N29,N36,N46/02;N1,N6, N7/03	11377	31	5,12,16,17,25,33/02	11448	11	7,9,12/03	12228	29	43/02*	
11307	36	9,13,28,31/02	11378	31	5,12,16,17,25,33/02	11449	4	N5,N8,N12,N15,N24, N27,N28,N29,N35, N37/02;N6/03	12230	59	52/02*,1,7/03	
11308	22	3*,7,10/03	11379	30	2*,7,8,10/03	11450	16	16,27,51/02	12231	26	9*,14,31,35,46/02;7/03	
11309	36	13*,14,21,26,28,36, 46/02;1,6,7/03	11380	44	9/03*	11451	37	6,32,35,32/02;1/03	12233	35		

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 12/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;

* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
12245	60	12*,14,15,27,30,33,38, 46,49,50,52/02;5,6,8, 11/03	13000	N8,N11,N12,N13,N21, N25,N48,N49/02	13324	13	5,41,52/02;2/03	14837	27	26/02*;3/03	
12248	39	18*,30,33,40,50/02;4,5,6, 8/03	13003	46	9*,12/03	13325	14	5/02;2/03	14838	3	52/02*
12249			13006	30	39*,44,48,49,50/02;1,5, 9/03	13326	12	41,43/02	14839	36	9/03*
12251	23	10,35/02;4,6,7/03	13009	30	42*,48,49/02;1,9/03	13392	2	6/03	14842	12	4,18,23,39/02;2,4/03
12252	23	5,33,34/02;4,7,10/03	13200	33	13*,25,37,48/02;7,9/03	13394	3	39/02*;9/03	14843	22	23,39,51/02
12253	42	9*,33,38,42,46,50/02; 10/03	13201	10	N13,N25,N37,N48/02; N9/03	13396	4	13/02*;9/03	14844	31	4,18/02;4/03
12254	43	38*,43,44/02	13203	12	37/02	13398	3	19*,36/02	14845	26	4,18/02;4/03
12255	15	13*,44/02	13204	12	13/02	14002	57	21/02	14846	11	18,23,24,39,40/02;2/03
12256	13	19*,33,44/02	13205	36	9,12,37,42,45,48/02;1, 5/03	14003	6	11,12,13,16,25,48,49/02; 5,9,12/03	14847	30	24,40/02
12261	28	37*,44/02;7/03	13209	23	14,37/02	14008	76	21/02	14848	56	9*,23,24,31/02;9/03
12263	51	38/02*;7/03	13211	13	9,21,23,47/02	14010	5	21,35/02	14850	51	21*,23/02;7/03
12264	28	38/02*;7/03	13212	35	9/03*	14018	6	16/02	14852	44	9*,20,23,25,26,37/02; 7/03
12266	27	30/02	13213	39	8,45/02;6/03	14024	5	33,36,39/02;12/03	14853	13	21*,23,24,25,26,31, 37/02;7,9/03
12268	10	22/02*	13214	27	34*,45,48/02;5/03	14040	65	40/02	14854	13	24/02
12270	32	9/03*	13215	17	9,14,45,48/02;1,5/03	14044	44	6/03	14860	35	8*,21,24/02
12272	29	26*,27,36,45/02	13216	1	N12,N48/02	14061	11	6/03	14862	28	26/02*
12273	53	26*,31,36,45,50/02;5/03	13217	14	14/02	14067	30	33/02	14863	30	5*,10,24/02
12274	33	37*,50/02;5/03	13218	38	11,29,42,45,51/02;5/03	14083	30	33/02	14864	26	24,37/02
12277	31	26*,50/02;8/03	13219	12	14/02	14087	58	33/02	14865	16	4/03
12278	72	26*,36,45/02	13221	53	2,4,15,29,44,51/02;2,5, 7/03	14088	10	41/02*	14867	25	6,32/02
12280	3	37*,43,45,46,47,50, 52/02;1,6,7/03	13223	36	2*,15,52/02;2/03	14089	29	41/02*	14869	26	9/02*
12281	49	15/02;12/03	13224	36	7*,44/02;5/03	14090	2	33/02	14871	2	21/02
12282	33	31*,44/02;7,8/03	13226	5	2,4,5,44/02;6,7/03	14091	6	41/02*	14872	3	21/02
12283	24	3,5/02;8/03	13227	13	2,4,5/02;7/03	14144	29	21/02	14873	2	35/02
12284	15	7/03	13228	11	51,52/02	14151	2	37/02	14880	30	33/02;4/03
12285	35	11/03*	13229	27	11,17,39,42,45,52/02;1, 7/03	14180	38	21/02	14881	31	28*,33/02
12286	29	2*,4,6/03	13230	46	2*,7/03	14185	2	3/02	14883	42	6,17,23/02
12287	17	2/02	13232	4	11,39,42/02	14203	12	19/02	14885	20	51/02
12288	19	2,27/02	13233	16	17/02;10/03	14204	21	19/02	14886	10	8/02
12289	48	10/03*	13235	5	17/02	14206	20	19/02	14901	14	52/02*;5/03
12300	42	17,18,19,28,29,37,39,42, 45/02;5/03	13236	29	45/02;1,7/03	14208	28	40/02	14902	28	24,25,31/02;4/03
12301	21	N20*,N28,N29,N37, N39,N42,N45/02;N5/03	13237	38	2,4,17,42,48/02;7,10/03	14221	26	40,46/02	14903	22	8,23,32/02
12304	42	28*,42,52/02	13241	15	21*,34,42/02	14222	16	46/02	14904	25	5,17,31,32,46/02
12311	41	2,4,15,18,28,31,42,50, 52/02;8/03	13244	39	22*,48/02;7/03	14223	18	3/03	14905	29	31,35,37/02;5/03
12312	52	10/03*	13246	36	11,26,27/02;8/03	14225	17	38/02	14906	23	5/03
12313	48	5,9,14,18,21,27,31,33,43, 52/02	13253	18	3*,8/03	14226	32	40/02;6/03	14907	25	2*,13,17/02
12314	30	46*,50/02;5/03	13263	7	N2,N8,N11,N20,N21, N25,N27,N36,N43,N48, N49/02;N1,N7,N9/03	14227	28	40/02;6/03	14908	17	13/02
12316	29	2*,6/03	13264	103	5,21,36,49/02;9/03	14228	11	40/02;6/03	14910	22	25,31/02
12317	31	15*,26,37,50/02	13267	30	6*,12,17,19,27,52/02;1,7, 9/03	14240	6	16,34/02;1/03	14911	20	4/03
12318	41	9/03*	13270	59	2,3,5,9,17,19,33,34,40, 43/02;1,2,7,12/03	14242	13	34/02	14916	10	45/02*
12323	23	19,40/02;4/03	13272	47	3,11,19,28,40/02;8/03	14243	8	19,34/02	14917	23	17/02;3/03
12324	30	2*,8/03	13274	24	3,5,17,19,27,45,52/02;1, 2/03	14244	5	19/02	14918	26	25/02
12326	48	12,17,18,27,28/02;4,8/03	13275	27	2,5,17,19,27,45,52/02;1, 2,7/03	14260	47	35/02	14919	27	10,24/02
12327	96	1*,2,8,12/03	13277	47	3,11,19,28,40/02;8/03	14280	37	35/02	14922	19	26*,51/02;9/03
12331	30	8/03*	13278	25	1,9/03	14341	5	12/03	14924	27	28*,32/02;5/03
12332	21	15,22,43,46/02	13279	29	1/03	14342	20	52/02	14927	24	21*,31,32,35,37/02
12333	32	46*,47/02;5,12/03	13282	10	12/03	14344	2	37,40/02	14928	21	4/03*
12334	65	10*,12/03	13283	18	11/02;1,9/03	14345	5	37,40/02;12/03	14929	23	17/02;3/02
12335	39	6/02*;1,8/03	13285	10	11/02	14349	7	16/02	14930	24	45/02
12337	22	8,15,20,28,31,45/02	13286	29	39*,40,50/02;1,9/03	14357	N52/02		14931	24	35/02*
12339	43	5/02	13288	40	2,9,11,15*,20,23,29,36, 43,50,51/02	14358	N17,N36/02		14932	22	32/02;9/03
12341	25	22/02*	13289	25	1,9/03	14360	36	16,26,33,36/02	14933	24	35*,37/02
12343	18	37/02*;7/03	13290	34	2,10,20,36,40,43,50, 51/02;7/03	14386	3	36/02	14934	26	4,6/02;2/03
12345	10	42/02*	13292	36	20*,36,40/02;7/03	14415	4	33/02	14935	21	17/02
12347	29	25/02	13293	33	26*,29,43,51/02	14500	27	52/02*	14937	24	52/02*;2/03
12348	33	25/02	13295	11	2/03*	14769	N31/02*		14942	25	35/02
12350	57	39*,49/02	13296	25	43/02	14772	17	15/02	14965	21	11/03*
12352	29	9*,12,34/02	13298	10	43,52/02	14773	16	15,19/02	14966	24	5/03
12354	39	9*,12,14,22,28,33,37, 45/02;2,6,7,10/03	13301	20	9,25,33,51/02	14775	N31/02*		14967	22	10/02;5/03
12358	19	46*,49/02;1,7,10/03	13302	21	3*,8,9,20,25,41/02;2,7, 9/03	14776	N31/02*		14970	25	6,40,46,51/02
12362	16	49/02	13303	12	48/02*;7,9/03	14777	N31/02*		14972	25	21/02
12363	39	2,3,14,18,28,44/02;6/03	13305	28	8,25,40,41,49/02;2,7, 9/03	14782	24	21,22/02	14974	24	32/02
12364	33	20*,22,28,44,47,49, 51/02;4,6/03	13308	11	14,40/02	14783	16	22/02	14975	33	52/02*
12365	26	2,18/02;6/03	13309	28	42/02*;9/03	14786	13	5*,24/02	14984	9	18/02*
12366	27	3,14,51/02	13312	21	10/03*	14800	9	19,23/02	14995	11	52/02*
12367	23	18/02	13313	19	21,25,41,49,52/02;6,9/03	14803	26	5/03	15562	N41/02	
12368	26	42/02*	13314	12	48/02*;7,9/03	14810	4	19/02	15744	N30/02	
12369	25	31*,44/02	13315	19	11*,49/02	14812	3	19/02	15880	N41/02	
12370	18	39/02*	13318	18	38*,41,52/02;5,6/03	14813	21	2/03*	15926	N9/02	
12371	22	28,47/02;6/03	13322	9	19/02*	14816	23	5/03	15954	N47/02*	
12372	31	45*,47,48/02;2,5,6/03	13323	7	5/03	14820	19	11/03*	16003	16	18/02*
12373	14	2/03	13324	11	10/03*	14822	31	10/03*	16011	35	5,38/02;8/03
12375	21	22/02	13325	19	21,25,41,49,52/02;6,9/03	14824	25	24/02	16012	21	38/02
12377	14	22,25,37/02	13326	18	38*,41,52/02;5,6/03	14826	27	4/03*	16013	28	17,22,29,52/02
12378	14	2/03	13327	9	19/02*	14829	5	21/02	16041	8	13/02*
12401	7	31*,47/02;2/03	13328	7	5/03	14830	29	18,23,39,51/02;2/03	16042	7	39/02*
12402	8	31*,33,47/02	13329	7	5/03	14832	34	52/02*	16061	8	19*,27,37,49/02
			13323	7	5/03	14833	31	39/02	16206	7	2/02
						14834	31	42/02*	16220	5	6/02
						14835	31	39/02	16300	8	52/02;3,8/03
						14836	27	42/02*	16305	9	8/03

SECTION I

NM 12/03

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 12/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
 * indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
16322	7	8/03	17420	26	14,36,37,42,43,50/02;1, 10,12/03	18430	7	28/02*;6,7/03	18653	9	3,8,11,15,19,36,38,41/02; 4,6/03
16363	12	38/02*	17421	1	14/02	18431	6	2/03*	18654	42	28*,38,49/02;12/03
16380	13	13,17/02	17422	8	52/02*	18432	4	5/02;7/03	18655	58	10*,19,49/02;12/03
16381	8	8/03	17425	6	18/02*	18433	5	2/03*	18656	52	19,23,26,27,30/02;4,7/03
16382	10	13,17/02	17426	13	37/02;1/03	18434	4	15,26,P44,48/02;6,9/03	18657	18	19,26,27,30/02;4/03
16435	5	27/02	17427	7	11,12,14,16/02	18441	42	30*,32,39/02;6,7,9/03	18658	29	23,26,27/02;4/03
16440	13	37/02	17428	7	5/03	18443	15	7,8,17,39/02;6/03	18659	14	26,30,49/02;7/03
16441	7	37/02	17429	2	N38/02*	18444	15	7,8,17,39/02	18660	1	30,49/02;7/03
16442	6	3,37/02	17430	10	5/03	18445	29	4,6,7,8,12,15,17,22,28, 32,33,39/02;6,7,9,10/03	18661	26	23,27,30/02;4,7/03
16480	10	38/02	17434	11	11/02;5/03	18446	15	4,6,8/02;6,7,9/03	18662	20	30/02;7/03
16500	9	9/03	17437	8	14,16/02	18447	26	4,11,27,52/02;6,7,10/03	18663	4	23,27/02;4/03
16520	21	2/03	17438	12	10,12,14,16,50/02;10/03	18448	32	12,15,17,33/02;10/03	18666	1	9*,26/02
16521	5	27/02	17441	7	10/03	18449	17	15,17/02;7/03	18680	30	15/02;6/03
16528	16	9/03	17443	12	8,10/02;10/03	18450	17	9/03*	18685	31	25/02;6,12/03
16529	14	50/02;9/03	17444	4	10,12/02	18452	16	17/02	18687	13	8/03*
16530	6	50/02	17445	2	12,16/02;10/03	18453	23	28,38/02;6,7/03	18700	21	8,34,36,37/02;4,6,10/03
16531	7	18/02*	17446	N10/03		18455	2	N17,N22,N39/02	18703	24	13*,36,37/02;4/03
16535	12	2/03	17460	N12/02;N5/03		18456	19	12/02	18704	12	37/02
16549	14	4/03	17465	4	6,12/03	18457	9	12,15/02	18720	31	8,23,35/02;4,6,10,12/03
16556	4	8/03*	17471	N15/02;N6/03		18458	14	6,7,17,22,32,39/02;9/03	18721	11	8,35/02;6,10/03
16566	10	17/02	17472	4	5/03	18459	5	N7,N17,N22,N32, N39/02;N9/03	18722	3	8/02
16568	12	39/02*	17480	4	8,15,43/02;5,10/03	18460	11	2*,6,7/03	18723	3	8/02;6/03
16575	1	39/02	17482	N7/03		18464	22	9,32/02;7/03	18725	26	4,8,23,35/02;4,6,12/03
16576	3	42/02;6/03	17485	4	16/02	18465	35	2/03*	18740	39	8,16,20,23,34,37,45, 50/02;5,6,12/03
16580	11	39/02	17489	19	8,43/02	18468	17	7/03	18741	18	N25,N45,N50/02;N12/03
16590	10	38/02*	17491	3	8/02	18471	8	13*,32/02;7/03	18744	30	37/02
16594	13	2/03	17495	2	8,43/02	18473	7	4/03*	18746	34	7*,20,23,34/02;5/03
16595	14	2/03	17503	4	11,43/02	18474	7	45/02*,7,10/03	18749	38	7*,10,16,18,20,23,25,27, 40/02;5,6/03
16596	12	39/02*	17506	N8/02		18476	4	6,7,12,17,22,32,39/02;7, 9/03	18751	42	7*,10,16,20,25,27,40/02; 5,6/03
16597	8	16,43/02	17513	N8,N11,N42,N43/02		18477	5	4,12/02;7/03	18754	16	36/02
16598	9	43/02	17515	7	8,11,12/02;6/03	18480	29	2*,6,7/03	18758	6	35/02*
16599	6	16,43/02	17517	8	4/02;6/03	18484	10	28,40/02	18760	6	N8,N16,N23,N34,N35, N45,N50/02;N6/03
16603	7	42/02;6/03	17518	7	6,P44,48/02	18485	15	2*,10/03	18761	2	N20/02
16604	11	22/02*	17519	13	4/02	18488	29	19*,22,32,39/02;12/03	18762	15	20/02
16606	11	37/02*	17520	2	N4/02;N6/03	18490	18	20,33,39/02	18763	9	20/02
16608	3	6/03	17521	N8/02		18493	23	34*,39,49/02;4,10,12/03	18765	15	18*,25,45,50/02;12/03
16645	18	13/02*	17524	N12/03		18495	15	4/02*	18766	7	25,45,50/02;12/03
16646	12	5/02*;8/03	17525	N8/02		18500	28	19*,22,32,39/02;12/03	18768	4	N25,N45,N50/02;N12/03
16660	28	7,13,22,25,29,42/02;6/03	17528	N8,N43/02;N6,N12/03		18502	84	30*,32,39,42,49/02;9/03	18769	2	N20/02
16662	6	3,22,29/02	17541	3	8,43/02	18504	64	18,52/02;12/03	18772	46	20,25,50/02;12/03
16663	6	3,7,13,22,25,29,42/02; 6/03	17542	6	47/02	18520	24	10,33,39/02	18773	38	4,8,18,20,23,25,50/02;10, 12/03
16665	7	7,13,22,25,29,42/02;6/03	17543	17	9,11,13,41/02	18521	69	34*,39,49/02;4,10,12/03	18774	10	35/02*;10/03
16680	10	6/02;6/03	17545	13	9,43,47/02	18523	53	3,7,10,12,15,25,26,33/02;	18775	2	N20/02
16681	10	37/02*	17546	22	9,13,42,43,47/02	18524	33	18*,26,28,31,33/02;4,6, 10/03	19002	9	N23,N25,N37,N51/02
16682	15	8/03*	17549	6	13,47/02	18525	33	4,7,11,14,15,28,31,33/02; 4,9/03	19004	36	23,25,35,37,51/02
16683	9	3,6/03	17550	4	15,42,43,P44,45,47,48, 52/02	18526	55	4,7,11,15,16,28,31,33/02;	19007	16	51/02
16700	27	21*,49,52/02;9/03	17553	17	9,11,13,41/02	18527	21	16,31/02	19010	17	45*,51/02
16701	18	21*,52/02;9/03	18000	8	8,45/02,6,10/03	18528	10	52/02*	19013	16	25,51/02
16702	10	8,38,52/02;1,9/03	18002	6	N8,N45/02;N2,N6, N10/03	18529	10	52/02*	19320	16	23,27,35,37,51/02;5/03
16705	9	5*,49/02	18003	18	10,26,33,38,39,40,P44,	18530	20	7*,11,26,31,34/02;9, 10/03	19324	22	27,35/02;5/03
16707	10	34,37/02	18008	7	N6,N10,N14,N20,N26, N33,N34,N37,N38,N39, N40,N47,N52/02	18532	20	7/02*;10/03	19327	10	23/02
16708	25	37,49/02	18009	2	N34/02;N6/03	18541	8	21/02*	19330	9	6/02*
16709	22	15*,49/02	18010	20	6,33,34,37,38,39,40/02; 6/03	18548	5	8/03*	19339	1	N25,N35,N49,N51/02; N5/03
16711	2	15/02*	18008	7	N6,N10,N14,N20,N26, N33,N34,N37,N38,N39, N40,N47,N52/02	18558	37	19*,39/02	19340	26	25,35,49,51/02;5/03
16713	2	13*,49/02	18005	4	N6,N8,N20,N34/02;N6, N10/03	18561	11	10,33,39/02;10/03	19341	9	7/02*
16741	9	46/02	18006	3	N6/03	18580	21	10,26,33,38,39/02	19347	17	25/02
16760	10	51/02	18007	31	6,10,14,20,26,33,34,37, 38,39,40,47,52/02	18581	17	49/02*;4/03	19350	11	27/02
16762	9	26/02*	18008	7	N6,N10,N14,N20,N26, N33,N34,N37,N38,N39, N40,N47,N52/02	18583	38	4,7,31,33,42,49/02;12/03	19351	9	25/02
17003	4	8,9,47,52/02	18009	2	N34/02;N6/03	18584	47	7,30,39,49/02;4,6/03	19357	22	42*,49,51/02;5/03
17005	10	8,9,11,41,45,47,52/02	18010	20	6,33,34,37,38,39,40/02; 6/03	18587	68	7,11,14,25,30,33,39, 42/02,4,6,9/03	19358	20	28/02*
17008	12	8,13,43/02	18020	36	6,8,20,34,37,45/02;6, 10/03	18588	36	32,33,49/02	19359	10	12/03
17300	30	52/02*	18022	33	13*,23,34,37,45/02;6, 10/03	18600	14	15*,33,37,38,40/02	19360	1	N37,N51/02
17302	18	21*,51/02	18400	43	2*,6/03	18601	13	6/02;10/03	19362	12	49/02
17303	9	15,37/02	18401	12	5/02	18602	11	26,33,32/02;10/03	19366	36	13*,31,49/02;5/03
17315	23	2/03*	18402	22	4/02	18603	16	9*,10/03	19367	37	22,31,49/02;10/03
17316	20	28/02*;3/03	18403	21	4/02;6/03	18620	23	35/02*	19369	5	22,31,49/02;10/03
17320	15	15/02	18405	12	43/02	18622	52	26,28,49/02	19379	1	N25,N51/02;N5/03
17327	20	5/03	18406	5	5/02	18623	11	34/02	19380	14	25,51/02;5/03
17330	7	15/02	18407	5	4,8/02	18626	15	37/02;10/03	19381	8	25,49,51/02
17360	32	44/02;1,6,8,11,12/03	18409	8	11/02	18640	24	13,15,24/02	19383	17	49/02;5/03
17372	10	2/02	18414	9	8/02	18643	16	24,49/02	19385	7	20/02*
17379	1	15*,20/02	18415	8	5,13,42/02;7/03	18645	24	15,19,50/02	19387	9	N25/02
17381	10	13/02*	18416	6	10,P44,48/02	18647	15	2/03*	19401	8	10/03*
17382	14	44/02;1,6,8,11,12/03	18406	5	5/02	18649	62	3,8,11,12,15,19,20,23,33, 36,38,41/02;4,6/03	19402	6	9/03*
17383	1	31*,49/02;8/03	18407	15	4,8/02	18650	51	28*,33,38,41/02;4/03	19421	7	8/03*
17384	7	44/02	18409	8	11/02	18651	41	12/02,4,12/03	19461	7	10/03*
17385	13	44,48/02;11/03	18414	9	8/02	18652	31	2*,8,11,18,19,20,23,26, 27,30,33,38,41,49/02;4,6,6,	19483	6	11/03*
17400	16	14,15,36,36/02;10,12/03	18415	8	5,13,42/02;7/03				21005	5	45/02;2/03

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 12/03

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Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
21014	72	42,50,52/02;2,3,4/03	22259	4	20/02	24052	15	31,37,38/02	24483	2	20,24,49/02
21017	50	23,41,50/02;4,5,6,9/03	22264	2	20,42/02	24053	16	24/02	24484	3	24,49/02
21020	42	23,41/02;5,6,7/03	22275	3	20,42/02;12/03	24055	6	37,49/02	24490	3	24,31/02
21021	3	45/02	22281	9	12/03	24057	4	31,38,49/02	24491	3	31/02
21023	41	5,34/02;7,8,9/03	22282	17	19/02;12/03	24058	2	31,32,37,38/02	24492	20	31,46/02
21026	47	5,13/02	22283	3	N19/02;N12/03	24060	2	34/02	24501	3	14,17,27/02
21033	46	14,20,32/02;1/03	22284	7	N10/03	24080	5	29/02	24502	6	46/02
21036	7	1/03	22290	4	20/02	24091	6	26/02;6/03	24504	7	17,41,45,46/02
21120	27	47,50,51,52/02	22293	15	20/02	24092	14	26/02;6/03	24508	2	18,19,41,45,46/02
21121	18	47/02	22294	15	12/03	24100	5	27,29/02	24509	2	17,45,50/02
21122	5	47/02	22311	19	8/03	24101	3	37,41/02	24510	2	17,18,19,41,45,46,50/02
21125	13	51,52/02	22313	2	44/02;8/03	24102	3	37,41/02	24512	3	25,29,44,46/02
21126	1	50/02	22314	1	44/02	24110	3	27,29/02	24513	18	46/02
21140	1	45,50/02;12/03	22331	2	N10/03	24130	14	24,29/02;5/03	24517	2	18,19,46,49/02
21141	23	48/02	22341	9	19,43/02;11/03	24132	13	10/02	25001	7	9,12,17,19/02
21160	1	45/02	22342	9	19/02	24140	18	4,32/02	25017	5	9,12/02
21161	19	43,48/02	22343	1	N19,N43/02;N10,N11/03	24141	4	5/03	25018	9	9,12/02
21180	1	2,7/03	22344	5	N42/02;N10/03	24142	43	5,6/03	25400	1	23,26,35,48/02
21182	34	39/02	22345	11	42/02	24149	1	32/02	25480	1	20,42,46/02
21200	1	2/03	22347	5	N19/02	24150	27	6,27,29,30,32/02	25481	25	4,26/02
21301	13	3,12/03	22351	1	N43/02;N12/03	24151	4	29,32/02	25484	23	11/02*
21342	28	41,44/02	22352	6	12/03	24152	2	30/02	25485	45	23,26/02
21384	3	23/02;6/03	22361	2	N7/02;N10/03	24153	6	10,30/02	25487	2	23,26/02
21401	20	7/03	22371	5	7/02	24154	12	10/02	25524	43	11,33/02;1,5/03
21441	27	34,44/02	22373	1	N50/02;N10/03	24156	2	22/02	25525	17	1,5/03
21478	3	9/03	22375	1	N19/02;N10/03	24159	1	27/02	25526	2	11,19,33/02
21489	1	13/02	22377	1	N10/03	24160	21	6,27,28/02	25527	31	11,33/02
21500	1	5/02	22379	1	N50/02;N10/03	24161	11	11,27,42/02;7/03	25528	5	21,42/02
21510	1	13/02;9/03	22381	1	N19,N43/02	24162	9	4,11,22,27,42/02;6,7/03	25550	2	17,19,24/02
21520	1	5/02	22395	2	4,19,42/02	24164	6	10,27/02	25563	50	17,33/02
21521	14	5/02	22403	1	N45/02	24170	14	5,6/03	25565	7	33/02
21529	1	14/02	22404	15	46/02	24171	19	5,6/03	25566	27	17/02
21540	36	5/02	22406	1	N1/03	24172	4	5,6/03	25567	16	19/02
21563	3	45/02	22407	1	N4,N11/03	24180	15	8/03	25570	3	19,31/02
21601	4	14/02	22408	1	N10/03	24200	14	6/02	25575	4	4,31/02
21602	1	28/02	22409	4	N45/02;N10/03	24211	7	24/02	25600	47	24/02
21603	9	5/03	22410	32	4,7,11,43,44,46/02	24220	14	27,28/02	25601	34	10,17,19,20/02
21605	7	19/02	22412	2	7/02	24222	3	27/02	25607	4	24,39/02
21661	12	6/03	22413	1	N45/02	24223	33	18/02	25608	21	10,17/02
22004	38	18,20,23,30,32,34,36,39, 41,43,52/02	22417	1	N10/03	24230	20	10,18,30/02	25609	5	30/02
22008	35	4,13,18,30,34,36,39,41, 43,44,48,52/02;6/03	22418	2	24,36,44,46/02	24233	15	36,43/02	25613	2	5,14,30/02
22012	31	4,14,16,30,34/02;6/03	22420	2	4,11/03	24234	3	30/02	25640	40	28/02*
22036	28	18,47/02	22421	4	N4,N7,N11,N43,N44, N46/02;N11/03	24240	5	30,39/02;7/03	25641	26	5*,30/02
22050	4	19/02;12/03	22423	3	N11/03	24250	5	30,39/02;7/03	25644	12	42/02
22051	18	28/02	22425	2	7,11,44,46/02	24251	23	24,34,43/02;6/03	25645	17	15/02*
22052	6	28,46/02	22427	1	N4,N43,N44,N46, N50/02;N11/03	24252	5	30,39,43/02;6/03	25646	7	N42/02
22080	3	20,32/02	22429	1	N24,N46/02;N10/03	24260	5	34/02	25649	18	18,30,35/02;4/03
22082	4	4,17,19/02	22433	3	39,47/02;11/03	24270	3	24,27/02	25650	33	22*,30/02
22083	5	19/02	22436	2	39/02;10/03	24290	3	36,43/02	25653	13	8/03*
22084	4	42/02	22471	31	18,44/02	24291	4	36/02	25663	27	19/02*
22090	2	30,32,43/02;4/03	22481	35	43,44/02	24292	4	36/02	25668	18	15*,16,48/02
22100	3	20,32/02;12/03	22482	16	44,50/02	24294	22	6,36/02	25670	41	26,38,48,49/02;4,5/03
22101	19	16,20,32,43/02	22521	3	12/03	24311	4	27/02	25673	15	28,42/02
22111	4	32/02	22523	3	12/03	24312	4	27/02	25677	19	4,21,52/02
22112	3	23,25,30,32,43/02	22529	3	12/03	24320	4	27,28,34,43/02;6/03	25681	15	4/02;4/03
22113	8	23,25,30/2;12/03	22531	2	12/03	24321	3	6/03	25683	17	30,49,52/02;5/03
22114	5	16,32,42,43/02	23000	5	18/02	24322	6	28,34/02;6/03	25687	11	12,15,35/02
22120	3	8,18,23,30,34,36,39,41, 45,52/02	23010	4	27,38/02	24350	2	31,51/02	25700	3	8,12/02
22121	9	6,8,17,23,30,34,36,44, 52/02	23023	4	27/02	24355	2	51/02	25710	2	8,12/02
22124	2	17,34,52/02;6/03	23030	6	27,38/02	24370	1	34/02	25720	3	8,12,33/02
22125	1	18,36/02	23115	3	27/02	24375	2	34/02	25723	40	8/02
22130	2	44/02	23121	7	30/02	24380	2	35/02	25724	3	8/02
22138	2	8,18,41,44,48/02;6/03	23122	8	23,30,33/02	24388	2	35/02	25800	3	24,36/02
22140	2	4,30,34,36,44/02	23124	3	N30/02	24404	8	14,21,26,35,44,48/02	25803	16	12/02
22142	2	39,41,43/02	23125	4	30/02	24406	30	20,26/02;2/03	25841	9	8,10,24,36/02
22143	3	6,8,17,41,52/02	23126	6	N24/02*	24408	21	4,14,36,44,48/02	25842	10	8/02
22145	2	N41/02	23127	4	N24/02*	24410	2	21,44/02	25845	9	8/02
22160	2	4,30,34,39,41,48,52/02	23131	7	26,31/02;12/03	24443	4	39/02	25848	25	8/02;5/03
22170	3	13*,30,39/02;6/03	23141	7	34/02	24444	2	6/02	25849	13	8,42/02;12/03
22172	8	48/02*,4,6/03	23142	10	8/03	24450	3	6/02	26001	4	9/03
22173	36	48/02*,6/03	23150	10	20,37,52/02	24452	7	16,26/02	26050	1	13,34/02
22180	2	30,34/02	23151	3	12/03	24454	5	5/03	26060	1	49/02
22181	16	17,27,39,41/02	23152	3	37/02;12/03	24460	4	15,17,39,47/02	26081	8	46/02
22182	6	7,8,30,34/02	23153	8	20,31/02;12/03	24462	5	15,47/02	26083	14	29/02
22183	3	20/02	24000	39	27,29/02	24463	6	24,39/02;12/03	26127	21	5,49/02;5/03
22190	2	30/02	24004	36	5,7,29,30/02	24465	6	15,23,33,47/02	26128	50	5,49/02;5/03
22205	2	14,16/02;12/03	24008	42	7/02	24469	1	20,46,47/02	26129	11	4,26/02
22221	20	20/02;12/03	24012	40	6/02	24470	4	28,39,47/02	26140	2	8/02
22222	1	4,12/03	24016	53	30,39/02	24471	8	28,47/02	26142	10	8,24,33/02
22225	2	12/03	24020	47	27/02	24480	1	14,17,25,27,41,44,45, 49/02	26143	10	8/02
22250	2	42/02;12/03	24028	6	23,48/02	24482	2	24,49/02	26145	10	8/02
22251	11	12/03	24050	11	27,31,34,38,49/02	24482	2	24,49/02	26204	7	23/02;9/03

SECTION I

NM 12/03

CHARTS AFFECTED BY NOTICE TO MARINERS NM 2/02 THROUGH NM 12/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
26244	3	9/03	35099	3	41/02	36173	1	40/02	37165	2	5,8,9,15,17,18,20,21,34, 36/02;10,12/03
26245	16	51/02	35100	14	40,45,02;5/03	36180	23	13,17,20,21,22,36,40, 50/02;4/03	37166	2	8,11,12,15,16,17,26/02
26259	2	51/02	35101	6	41/02	36181	18	17,20,21,22,36,40,50/02; 4/03	37170	11	38/02
26260	5	12,24/02	35103	5	41/02	36182	6	13,20,36,40/02	37175	2	5/03
26261	27	8/03	35120	13	40,45,47/02;5/03	37000	22	11,23,28,47,48/02	37180	20	21,38/02
26262	3	8/03	35130	3	48,51/02;5/03	37005	16	17,18,23,41,45,47/02;5, 12/03	37182	14	35,47,48/02
26280	7	8,23/02	35135	1	5/03	37010	23	15,16,17,18,23,26,41,45, 47/02;10,12/03	37183	9	48,51/02;10/03
26282	6	8/02	35136	2	48,51/02	37025	26	38,51/02;1/03	37184	8	48/02;5/03
26284	3	8/02	35141	11	34/02	37032	2	9,12/02;1,6/03	37200	15	18/02
26290	1	8/02	35143	7	34/02	37033	2	47/02	37202	2	13,18/02
26303	4	13/02**	35144	3	11/03	37034	2	8/03	37205	2	39/02
26305	4	13/02**	35150	3	48/02	37041	15	17,20,27,50/02	37221	13	5,8,9,11,12,15,16,17,18, 20,21,24,25,27,28,34, 36/02;6,10,11,12/03
26306	14	8/02	35155	3	11/02	37042	5	17,41,45/02	37222	13	15,27,28/02
26308	4	8,15/02	35159	3	25/02	37043	17	13,17,20,43/02	37223	14	26,42/02
26309	26	8,17/02;11/03	35163	7	25,44/02	37044	16	14,45/02	37224	11	15/02
26320	5	5,8,12,15,24,27,28,29, 35/02;7,12/03	35166	4	35/02	37045	11	45/02	37226	17	5,9,11,15,16,17,19,20,21, 25,28,30,39/02;8,9,12/03
26323	4	1/03	35167	3	35/02	37046	18	21,31,43/02	37228	14	5,8,13,21,24,27/02;8/03
26327	2	N41/02*	35200	7	48,51/02;5/03	37047	6	14/02	37229	15	15,16,17/02;8/03
26328	2	15/02	35210	3	29/02	37050	9	18,26,42,46/02;10,12/03	37230	14	16,18,24,25,39/02
27005	4	5,8,9,12/02;6,8,9/03	35230	3	29/02	37060	3	13,17,21,31,46,50/02; 9/03	37231	18	9,12,15,20,21,25,28, 30/02;6,10,12/03
27040	5	9/03	35236	2	7,38,50/02	37061	15	36,38/02;5/03	37232	12	12,15,16,21/02
27041	4	50/02	35246	2	38,43/02	37063	21	7,16,21,28,36,50/02	37234	13	9,12,15,20/02;7,8/03
27080	4	5,20/02	35247	4	50/02	37064	8	17/02*	37235	11	15/02
27081	6	49/02	35255	3	50/02	37065	7	19/02*	37241	17	13,16,17,26/02
27082	6	9,18,49,51/02	35270	2	38,46/02	37073	5	7,21,31,02/5/03	37242	10	13,15,20/02
27100	2	31/02;8/03	35276	3	46/02	37079	5	22/02	37244	11	8,11,16,17,26/02
27120	4	41,43,44/02	35277	3	38,46/02	37080	3	14,17,24,27,30,33,34,38, 40,42,44,45,46,51/02;1,4, 7,9/03	37246	14	13,15/02
27142	5	9/03	35279	3	38/02	37081	23	18,20,21,28,38,43,50/02	37248	18	12,39/02
27160	2	8/03	35295	3	27/02	37082	9	13,28,44,50/02;11/03	37258	4	15/02;1,11/03
27161	4	8/03	35298	7	27/02	37083	8	20,22/02	37261	10	15,28/02;1,7,11/03
27163	21	9,49/02;8/03	35299	9	8,12/02	37084	9	20,22,38,40,43/02	37262	20	1,11/03
27183	8	5/02;1,9/03	35300	17	12/02	37085	8	38,40/02	37264	3	30/02;1/03
27186	8	5/02;1,9/03	35301	6	12/02	37086	8	38,50/02;4/03	37265	3	18,24/02;1,7,10/03
28004	1	5,20,23,45/02;8,9/03	35303	7	40/02	37087	7	38,40/02	37266	15	9,10,11,P12/03
28006	1	8/03	35308	5	8,12/02;10/03	37088	9	5/03	37325	8	14,18,34,39,47/02
28050	3	13,28,34/02	35310	2	12,22/02	37089	12	21,28/02;4/03	37326	2	11,12,34,47,51/02
28110	2	15/02*	35330	2	4,12,22,38,41/02	37090	8	7,14,27,32,45,51/02;1,7, 9/03	37328	2	12,18,42,44/02;11/03
28150	3	8/03	35350	2	7,38,41/02	37095	3	13,14,15,17,18,24,28, 32/02;1,7,9,11/03	37330	2	22,24,26,30,32,34,38,40, 46/02;9/03
28162	29	28/02	35390	2	12/02	37101	9	6,15,18,27/02	37342	3	17,32/02;2,11/03
28164	17	28/02	35400	11	8,12,30/02	37103	9	12,13,15,27,29/02	37343	10	11,45/02
28170	1	4/02	35402	3	38/02	37104	3	12,13,41/02	37344	11	17,32,34/02
28190	2	41,43,45,46/02	35405	2	8/02	37106	4	12,13/02	37360	15	15,17,27,28,30,32,34, 43/02;2,9,10,11/03
28196	4	41,43,45/02	35420	13	12,24,30/02	37110	11	6,12,13,15,17,18,19,24, 27,28,29,47/02	37362	6	12,17,31,43,48,51/02;1,2, 4/03
28197	4	45/02	35421	14	31/02	37112	1	47/02	37363	8	11,48/02;4/03
28202	22	41,44/02	35423	6	31/02	37115	2	6,12,13,15,17,18,19,27, 28,29,33,47/02;7/03	37367	1	38,49/02
28210	2	33,35,39,41/02	35424	3	30/02	37119	2	43/02	37380	2	12,15,17,34,40,42,43,44, 48,51/02;9,10/03
28220	2	35,39/02	36005	2	6,12,13,14,15,17,24,27, 28,34,36,38,45,46/02; P12/03	37120	2	12,13,15,19,24,27,29,39, 42,49,51/02;4,6/03	37400	10	9,15,28,34,38,40,41,44, 46/02;6,10/03
28221	18	33,37,39/02;5/03	36010	27	8,12,16,19,20,22,24, 38/02;5/03	37121	11	12,13,15,24,27,29,31/02	37401	9	9,28,32,44,44,46/03
28223	4	35,39/02	36015	2	13,17,24,27,36,46/02	37122	12	48/02	37402	7	28,32,41,42,44,50/02; 4/03
28260	30	35,37/02	36040	16	12,19,30/02;1/03	37123	9	19,49/02;6/03	37403	23	12,24/02;10/03
28263	3	35,37/02	36046	5	38/02	37125	15	15,19,24,42,49/02;6,9/03	37420	1	9,12,34,43/02;1,7/03
28264	3	35,37/02	36060	17	8,12,16,19,31,38/02;5, 8/03	37126	8	15,41/02	37441	4	9,12,15/02
28265	3	37/02	36062	11	40*,46/02	37127	11	49/02;4,6/03	37443	2	9,12/02
28281	32	36/02	36081	16	12/02	37133	4	44/02	37445	1	12,48/02;1/03
28282	2	35/02	36098	6	5/03	37134	5	38/02	37446	2	1/03
28300	1	23,35,50/02	36106	7	18,47/02;5/03	37136	6	38,44,50,51/02	37461	9	5/02;6/03
28302	16	31,33,39,40/02;12/03	36117	6	18/02	37137	6	46,48/02	37463	6	1/03
28310	2	23,31,33,35,39/02	36118	3	5/03	37139	8	18,23/02;1/03	37481	7	47,48/02;6,7/03
28320	6	33/02	36120	9	16,19,20,22,31,46/02;5, 8/03	37140	33	15,17,19,21,22,24,27,29, 31,35,49,51/02;4,6/03	37501	3	46,47/02;7,8/03
28321	36	29/02	36122	12	16,19,21/02	37141	29	20,21,23,26,34,40,48,51/02; 1,4,12/03	37505	2	46/02;7/03
28323	2	27,29/02	36123	25	16,19,21,46/02;11/03	37142	15	13,21,35,36,40/02;1,10, 12/03	37506	4	45,46,47,51/02;8/03
28325	2	27,29/02;5/03	36125	7	4/03	37143	13	17,21,35,36,40/02;4,10, 11/03	37510	3	46,47/02;7,8/03
28326	2	27/02	36137	4	38/02	37144	10	44/02	37515	2	46/02;7/03
29015	5	2,22/02	36138	3	39/02;4/03	37145	23	46,50/02;4/03	37506	4	45,46,47,51/02;8/03
29121	5	32/02	36139	4	4/03	37147	15	13,21,35,36,40/02;1,10, 12/03	38030	1	9,10,20,21/02
29122	5	32/02	36141	7	4/03	37148	13	17,21,35,38,40/02;4,10, 11/03	38040	5	12/02
29142	3	7/03	36142	6	24/02	37149	10	44/02	38041	1	12/02
35000	26	11,13,23,24,47,48/02	36143	4	18,34/02;5/03	37150	8	13,16,21,22,31/02	38044	1	12/02
35008	21	45,48,50/02;5/03	36144	12	13,21,22,24,36,41/02;4, 10/03	37151	29	20,21,23,26,34,40,48,51/02;	38100	4	12/02
35009	19	15,40,41,45,02;5,10/03	36145	4	18,34/02;5/03	37152	14	13,18,21,22,31,34,43/02;	38103	1	12/02
35011	2	11,48/02;1/03	36146	10	13,20,24,34,44,45,47,	37153	1	1/03	38105	1	12/02
35016	17	12,29/02	36147	7	4/03	37154	10	44/02	38460	7	18/02
35031	3	12,22/02	36148	6	24/02	37155	15	13,21,35,36,40/02;1,10, 12/03	38463	2	11/02
35032	16	12/02	36149	7	4/03	37156	14	13,18,21,22,31,34,43/02;	38480	6	18/02
35036	21	13,17,19,24,30,36/02;	36150	4	18,34/02;5/03	37157	19	11,13/02	38580	8	12/02
35040	18	21,45/02;4,8,10/03	36151	10	13,20,24,34,44,45,47,	37158	12	11,12,15,16,17,26/02	38603	2	4,17,21/02
35041	8	21,35/02;4/03	36152	10	13,20,35,45,						

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 12/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;

* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
38670	2	9/02	44050	21	8,18/02	44360	9	8,16,20,21,34,37,41, 42/02,4,9,10/03	52088	2	45/02;4,10,11,12/03
38683	3	9/02	44051	1	44,48,50/02;1,11/03	44361	6	21,27/02;4,10/03	52092	1	46,51/02
38690	2	10/02	44057	5	8,13,21,25/02	44365	1	7,8/03	52120	12	32,51/02;6,11/03
41060	3	34/02	44061	21	8,18,21/02	44366	1	34,41/02	52121	8	45,46/02;1,6,8,11/03
42160	3	7/03	44062	8	8/02	44367	2	15,16,18,20,22,25,26,29, 35,37,40/02;6/03	52122	14	45/02;11/03
42620	5	12/02	44063	8	13,21/02	44400	4	48/02;4,6,7,8,9,12/03	52124	1	51/02
42740	5	2,12,34,41/02;6/03	44064	19	8/02	44401	7	13/02*/10,12/03	52125	1	45,46/02;8,11/03
42742	3	2/02;6,8/03	44065	7	5,11,15,16,20,25,30, 42/02	44410	4	4,6,11,12/03	52140	6	48,50/02;3,12/03
42760	5	2,12/02;8/03	44066	10	16,20,27,39/02	44420	6	5,36,49/02;8,9,10,11, 12/03	52141	5	48/02
42762	3	N12/02	44067	22	5,8,11,16,21,25,29/02	44430	2	4,6,16,17,28/02;6,10, 11/03	52142	2	12/03
43000	4	9/03	44068	11	11,13,17,18,20,24,26, 44/02;10,11/03	44444	6	31/02;9,12/03	52144	5	50/02;3,7,8,10/03
43015	12	9/03	44069	16	5,9,11,13,16,18,20,21,24, 29,31/02;11/03	44464	10	4,6,8,12,16,17,19,28/02; 6,10/03	52161	14	6,11/03
43030	24	11,25,28/02;2,9,10,11, 12/03	44070	7	9/02	44466	4	4,6,8,12,16,17,19,28/02; 6/03	52170	3	3/02
43040	6	2/02	44071	4	9/02	44481	2	6,26,28,31/02	52172	2	3,11,40/02;1/03
43059	3	44/02	44072	4	5,21/02	51002	7	13/02*	52180	14	2,21,24,42,43,51/02;1,8, 10/03
43060	4	44/02	44073	2	5,21/02	51007	22	38/02;7/03	52186	3	3/02
43079	2	41/02	44075	4	5,9,11,16,17,21,29,31, 42/02	51013	4	38/02;7/03	52200	8	7/03
43082	5	41/02	44076	3	18,25/02	51017	31	37/02	52262	6	7/02
43101	3	46/02	44077	9	8,15,16,17,20,24,25, 39/02;9/03	51022	11	37/02	53011	2	51/02
43102	4	46/02	44081	9	8,15,16,17,20,24,25, 39/02;9/03	51061	14	1,7/03	53031	1	12,13,17,18,19,21,22,27, 28,30,39,48/02;5,12/03
43104	4	46/02	44082	11	6,11,15,16,17,18,21,24, 25/02;9/03	51064	2	52/02;1/03	53058	2	4/03
43106	6	44/02	44083	8	10,15,21/02;9,11/03	51081	10	5,6/03	53060	14	12,14,15,17,18,19,21,22, 27,28,30,32,51/02;4,5,9, 10,12/03
43140	4	17,41,48,52/02;12/03	44084	1	6/02;6,11/03	51082	7	5,7/03	53061	10	14,19,28,30,44,47/02; 12/03
43141	5	52/02;12/03	44085	2	21,25/02	51100	7	1,6,7,8,9/03	53062	13	1/03
43142	4	52/02;12/03	44100	7	11,13,15,16,17,18,24,25, 26,44/02;2,9,11,12/03	51103	10	29*,33,45/02	53063	8	14,19,28,44,47/02;4/03
43143	4	12/03	44105	2	6,11,15,16,17,18,21,26, 25/02;9/03	51104	1	29*,33,45/02	53064	6	33/02;10/03
43144	4	17/02;6,12/03	44108	7	6,11,15,16,17,18,21,26, 27,28,29,31/02;2,9,10/03	51120	6	6/03	53065	2	33/02
43145	4	17/02;12/03	44140	8	4,6,16,26,27,28,29,31, 50/02;1,6/03	51142	2	6/03	53066	2	12,33/02
43146	2	48/02	44160	7	11,13,15,16,17,18,24,25, 26,44/02;2,9,11,12/03	51143	4	14/02*/6/03	53081	8	15,21,30/02;4,5,11/03
43150	2	N17/02	44161	2	29,50/02;1,2,6,10/03	51144	3	14*,52/02;1/03	53082	13	40/02
43160	6	17/02	44162	1	50/02;1/03	51145	2	42/02	53083	8	18,19,02;9,10/03
43161	2	17,41,44/02	44178	2	21/02;2,5,7,10/03	51146	3	42,52/02;5/03	53084	6	17,18,24,51/02
43163	3	44/02	44179	2	10/03	51150	1	50,51/02;1/03	53085	6	17,24,51/02
43164	3	17,48/02;6/03	44180	6	18,20,24,29,34,45,46/02; 1,2,5,7,8,9/03	51154	3	50,51/02;1/03	53086	8	20,46,48/02
43180	5	9/03	44181	5	5,10/03	51155	1	50,51/02;1/03	53087	9	48/02
43182	4	47,52/02	44182	4	21,48,49/02;1,2/03	51158	2	6/03	53088	7	33/02
43223	4	41/02	44183	6	48/02;1,6,8,9,10/03	51159	3	47/02	53090	1	41/02
43225	4	17,52/02	44184	9	21,45,49/02;2,10/03	51160	20	48,50,51/02;1,4,5,6,7/03	53093	2	20/02
43240	4	50,51/02	44185	7	45,49/02;1,2,10/03	51163	4	4/03	53100	16	13,18,19,21,24,28,33,39, 42,51/02;6,10/03
43242	4	52/02	44186	2	21,45,46,48/02;1,2,5,8,9, 10/03	51164	18	38,45,46,50/02;2,4,8/03	53101	7	33/02;8/03
43243	4	50,51/02	44187	2	21/02;5,6,9/03	51165	8	25,45,50/02;2,4,8,10/03	53104	2	20,35,42/02
43248	3	9/03	44192	1	21,29,46,48/02;1/03	51166	3	N25,N45/02	53105	20	37/02;8/03
43263	7	44/02	44193	1	26/02;1,7/03	51167	6	35/02;6/03	53106	6	19*,20,24/02
43265	2	44,52/02	44200	9	20,24,29,34,52/02;4,9, 12/03	51168	2	45,46,50/02;2,4,8/03	53107	16	35/02;6/03
43270	2	44/02	44203	1	20,24,33,34,48/02;2,5/03	51220	8	33/02	53110	1	29,40/02;10/03
43280	5	44/02	44204	1	5,48,52/02;2,4,5,7,12/03	51222	6	51/02	53111	3	31,44/02*
43281	6	20/02*	44205	2	48,52/02;2,5,7,12/03	51225	3	27/02	53120	14	13,18,20,21,27,28,39, 42/02;5,6,7/03
43284	4	16,51/02	44206	1	46/02;4,5/03	51240	2	33/02	53122	3	20,29,40/02;7,8/03
43285	5	15,16,44/02	44207	1	4,5/03	51260	4	37,50/02	53123	3	7/03
43300	5	15,44,47,50/02	44220	5	46/02;4,5/03	51261	23	5,6/03	53125	2	46,51/02
43301	4	15,45,50/02	44223	1	6/03	51263	23	49/02	53130	1	27,42,47/02;10/03
43302	4	44,47,50/02	44224	1	49/02;5/03	51300	4	27/02	53133	3	6*,41,46/02
43303	4	41,47,50,51/02	44240	8	49,50/02;4,7,03	51320	3	12/02	53135	2	20,51/02;7/03
43304	2	44,47,50/02	44243	2	25/02;5/03	51341	23	48/02;6/03	53141	5	20,24,34,51,52/02
43321	6	30,41,47/02	44244	2	29/02;5/03	51342	3	1/03	53147	3	36,39,42,51/02;6,7,10/03
43323	4	30/02	44245	1	4/03	51344	2	5,7/03	53149	2	31/02
43324	4	30/02	44246	1	4/03	51380	5	47/02	53160	14	20,51/02;3,6/03
43341	7	41/02;12/03	44247	1	49/02;5/03	51559	3	41/02	53161	8	51/02;3,8/03
43345	4	1/03	44248	8	49,50/02;4,7,03	52031	1	6/03	53162	7	50/02*
43360	21	17,28/02;6,10/03	44249	2	41/02;6/03	52039	4	5*,7,8,9/03	53164	9	20,37,51/02
43363	5	45/02	44250	1	41/02;6/03	52040	17	43,50/02	53165	13	39/02;8/03
43364	5	45,46/02	44251	1	43/02	52043	21	46/02;6,7/03	53180	10	23,33,34,43,51/02;1,3,6, 7/03
43371	13	22/02	44252	1	43/02	52045	6	36/02	53181	4	2,34/02;1/03
43372	4	22/02	44253	1	43/02	52046	21	50/02;6,7/03	53182	4	36/02
43373	8	45/02	44254	1	43/02	52047	11	7,8/03	53183	13	19*,35/02
43374	1	22/02	44255	1	43/02	52048	3	8/03	53184	5	32,35/02;1,6/03
43375	7	46/02;6,7,10,12/03	44256	2	25/02;5/03	52051	1	43/02	53200	6	2,3,33,36,43/02;5,6,7/03
43376	1	48/02;4,5,6,7,10,11, 12/03	44257	2	29/02;2,5,6/03	52052	1	43/02	53201	6	51/02
43385	1	5,27,45,48/02;5,11/03	44280	9	29,34,49,50/02;2,6,12/03	52056	16	43,50,51/02;7,12/03	53203	11	3/02;5/03
44001	2	48,49/02;1,6,7,8,9,11/03	44281	2	49/02;12/03	52061	2	45,48,51/02;7,12/03	53204	10	3,44/02;5/03
44015	8	28,31,48,49/02;6,7,8,9, 10,11/03	44282	1	49,50/02	52062	7	7,12/03	53205	3	5/03
44030	7	20,46/02;4,8,9/03	44283	2	50/02;8/03	52066	3	50/02	53206	6	17/02;5/03
44036	5	28/02	44284	2	41/02;6/03	52080	14	50,51/02;4,7,10,11,12/03	53220	6	2,36,43,51/02;5/03
44038	5	18/02	44285	1	2/03	52082	3	45,46,48/02;11,12/03	53223	5	29/02
44040	23	28,44/02;6,10/03	44286	1	2/03	52083	2	45,46,51/02;1/03	53226	3	3/03*
44041	7	48/02;1,9,10/03	44287	1	2/03	52084	2	45/02;4,10,11,12/03	53242	12	2,52/02;1/03
44042	7	21,44,45,49/02;4,7,9,10, 11/03	44288	1	2/03	52085	3	50,51/02;4,11/03	53244	2	2/02;1/03
44043	8	44/02;1,6,9,10,11/03	44289	1	2/03	52086					

SECTION I

NM 12/03

CHARTS AFFECTED BY NOTICE TO MARINERS NM 2/02 THROUGH NM 12/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
53265	6	19,35,41,46,52/02	54344	6	14,19,48/02	56031	1	1,2/03	61410	2	14/02;7/03
53266	4	1,8/03	54346	8	14,19/02;11,12/03	56042	6	22/02	61420	2	14/02
53268	4	22,42/02;7/03	54347	4	51/02	56043	6	22/02	61430	2	14/02;7/03
53269	5	19/02	54350	4	51/02	56044	3	22,38/02	61433	1	14/02;7/03
53279	3	9/02;7/03	54351	7	52/02	56060	8	33/02;12/03	61434	2	14/02;7/03
53281	4	31,40,52/02	54352	3	52/02;1,3/03	56063	1	2,14,21/02	61440	2	15/02
53282	8	40/02	54360	12	15,19,20,52/02	56064	6	14,38/02;2/03	61450	2	14,17,27/02
53283	4	33,52/02	54362	3	52/02	56065	3	33,38/02	61470	2	15/02
53284	4	33,40/02;7/03	54363	3	15,19,20/02	56067	3	48/02*	61472	1	15,20/02
53285	4	35/02;7/03	54364	2	52/02	56081	19	41/02	61500	2	17/02
53287	6	20,27,35,42/02;1,5,7,8, 10/03	54365	6	15,19,36/02;11/03	56083	2	7,31/02	61510	2	15/02
53290	1	35/02	54366	3	15/02	56100	13	41,49,50/02;1/03	61520	2	15/02
53301	4	27/02	54367	3	15/02	56101	6	33/02;1/03	61522	1	15/02
53302	4	51/02	54368	4	20/02	56102	23	1/03	61538	1	15/02
53303	6	49,51/02	54369	4	13,15,52/02	56103	6	18,30/02;1/03	61540	2	15,20/02
53306	2	21,39/02	54372	2	20/02	56104	2	41,49,50/02	61541	8	4/02
53311	3	39/02	54380	6	5,19,26,42/02;3/03	56120	12	1/03	61542	6	4/02
54040	3	37/02;6,10/03	54386	10	7,42/02	56195	3	22/02*	61550	2	17/02
54041	7	18,35/02;4,8/03	54387	7	6,23,42/02	57029	9	12/03	61560	2	15/02;7/03
54043	2	15,17,18,29/02	54389	8	6,43,52/02	57035	10	10,12/03	61562	2	6/03
54060	5	18,37/02	54400	8	5,7,20,32,43/02;3/03	57063	5	40,41/02	61581	5	14,18/02
54061	11	52/02	54402	4	52/02	57064	3	41/02	61582	4	14,18/02
54063	3	1/03	54403	4	6,22,43,52/02	57101	18	41/02	61591	4	8/02
54080	5	8/02**	54404	4	19/02	57120	13	43/02	61592	4	8/02
54081	3	13/02;10/03	54407	4	32,43/02;3,7/03	57140	10	43/02	61610	7	28,29/02
54083	4	19/02	54409	2	23,32/02;7,8,12/03	57141	14	43/02	61611	11	28/02
54085	2	18,19,40/02	54413	3	31/02	57142	6	43/02	61612	4	28/02
54090	3	46/02*;11/03	54416	5	7/02	57160	10	43/02	61650	3	17/02;12/03
54095	3	46/02*;8/03	54418	4	32,43/02;3,7/03	57161	4	31/02	62000	20	18,46/02
54100	4	8/02**	54419	2	3/03	57162	7	43/02	62001	5	11/03*
54105	3	46/02*;8/03	54421	6	6,7,28,47/02	57164	2	43/02	62024	13	13,14,38,40/02
54115	3	46/02*	54422	4	19/02*	57165	1	43/02	62028	15	5,8,12,18/02;10/03
54120	5	15,16,17,18,19,20,37,39, 41/02	54423	5	48/02*	57170	1	43/02	62032	16	11/03*
54125	3	46/02*	54430	1	26,28,37,43/02	57200	6	11/03	62033	3	N11/03*
54140	7	15,16,17,18,41/02	54440	4	7,30,41/02	57220	4	11/03	62040	5	13/02
54151	1	7,14,15/02;3/03	54441	6	30,42/02;2/03	57381	12	52/02	62046	2	13,39/02
54160	14	8/02**	54463	5	14/02	57400	4	12/03	62050	6	18,44/02
54161	12	16,17,19/02;10/03	54464	5	7/02	57408	2	12/03	62090	7	2/02
54165	2	33,37/02	54481	8	22,30,36/02	57420	3	12/03	62092	7	2,41/02
54166	3	10/03	55001	4	6,18,29,36,37,42/02	57460	4	10,12/03	62093	7	2,16,41,49/02
54167	2	17,19/02	55040	4	13,15,18,23,27,28,31,32, 39,41/02	57472	2	12/03	62095	3	11/03*
54168	1	37/02;10/03	55041	7	15,22,32,32/02	57474	3	12/03	62100	6	2,4,12/02
54169	3	8,16,37/02	55042	1	18,21,27,28,42/02	57480	8	12/03	62110	9	2,4/02
54180	6	7,8,10,19,41,43,50/02; 5/03	55043	2	21,23,27,28,37,39,42/02	61015	8	17/02	62120	6	11/02
54195	2	11/02;5/03	55044	5	22,23,41,43/02	61018	4	18,24/02	62140	1	34,40/02
54200	4	7,8,10,11,13,21/02;5, 8/03	55045	2	18,21,23,41/02	61020	2	17,28/02	62142	10	24,28/02
54201	6	13,21/02;8/03	55046	4	4,21,22,23,26,27,30,31, 37,38,39,41,48/02	61021	3	18/02	62143	3	24,28/02
54220	5	7,10,13/02	55047	8	22,23,26,27/02	61036	8	8,27/02;7/03	62144	3	24/02
54222	4	21,43/02	55048	12	6,23,27,32,36,37,39,41, 48/02	61050	4	10/03	62170	2	38/02
54223	2	13,21/02;8/03	55049	6	22,27,30,41,43/02	61060	5	12/03	62171	4	38,47/02
54224	2	13,21/02;8/03	55060	7	19,20,36,37/02	61061	9	10,12/03	62191	15	11/03*
54225	2	21/02	55063	1	6/03	61070	4	9/03	62193	17	17*,19,31/02
54226	2	7,50/02	55064	3	4,23,37,48/02;6/03	61080	4	9/03	62194	8	17*,18,19,31,36/02;4/03
54227	2	7,50/02	55082	9	5/03	61090	5	12/03	62195	6	22,36,41/02;1/03
54240	11	8/02**	55084	7	39/02	61091	5	12/03	62220	8	8/02
54260	3	8/02**	55085	9	13/02;5/03	61101	12	12/02	62225	3	17*,37/02
54279	4	50/02*;2/03	55100	8	29,36,37/02;6/03	61112	10	14,17/02	62241	10	9/03
54280	10	11,14,15,20/02;5/03	55101	4	7/03	61120	4	12,28/02	62242	11	47/02;9/03
54281	6	20/02	55102	3	24/02;4,5/03	61130	3	12,28/02	62250	4	34,38/02
54282	1	51/02	55103	2	9,12,24,29,48/02;1,4,5, 7/03	61140	5	12,27/02	62270	4	37,41/02
54283	5	8,19,20,52/02	55104	2	9,48/02;4,5,7/03	61141	6	38/02	62271	5	37,41/02;10/03
54284	1	51/02	55105	7	6,9,12,18,29,36,41,42/02	61150	4	12/02	62285	2	26/02
54286	4	14,19/02	55110	2	4,7,23,24,29,37/02;6/03	61160	3	12/02	62290	3	2,11,26,37,41/02;10/03
54287	7	7,9/02;5/03	55111	1	27,36,45/02;6/03	61170	5	13,27/02	62292	2	24/02
54288	5	9/02;1/03	55120	2	36/02;6/03	61171	10	13/02	62295	3	2/02
54289	8	7,9,19/02;1/03	55127	2	10/03	61172	6	13/02	62302	2	4/03
54300	12	8,11,13,14,31/02	55128	2	4,5,6,9,26,33,36,38/02;1,	61180	4	20,27/02	62310	2	6,27/02
54302	1	8,11,13,14,31/02	55129	7	6,9,33,36,37/02;6/03	61182	2	13/02	62313	4	17*,27/02
54303	4	8/02	55130	2	13,27,45/02;5/03	61190	4	39,41/02	62330	2	14,38,40/02
54314	2	13/02	55131	1	27,36,45/02;6/03	61191	8	12,13/02	62340	3	38/02
54318	3	5,19/02;1/03	55132	3	5/03	61200	7	17,21/02	62343	3	8/03
54320	4	7,13,20,48/02;1/03	55133	5	41/02	61210	6	17/02	62350	3	10/03
54322	7	5,13,19,20/02;1/03	55139	2	1,5/03	61220	5	17/02	62355	6	8/03
54324	8	19/02	55140	5	41/02	61240	7	18/02	62360	5	18,38/02;12/03
54327	4	20,31/02	55150	2	4,6,7,24,28,29,37/02	61191	8	12,13/02	62361	2	N18,N38/02;N12/03
54329	4	5/02;5/03	55151	2	4,6,7,24,28,29,42/02	61200	7	17,21/02	62366	3	38,40/02;2/03
54330	2	5/02	55156	2	6,18,24,28,29,42/02	61210	6	17/02	62392	7	14*,18/02
54333	3	5/02	55161	1	7,29/02	61240	7	18/02	62393	7	34,37,50/02
54334	3	7/02;5/03	55170	2	9,12,18,29,31,36,41/02	61300	2	7/03	62394	10	34,37,50/02
54337	3	19,31/02	55175	1	24,28/02	61310	2	33/02;7/03	62395	2	34,50/02
54339	8	7,17,31/02;12/03	55180	2	9,33/02;1/03	61311	5	17,33/02	62400	17	23,24,33/02;4,9/03
54340	8	19,48,51/02;3,4/03	55190	2	6/03	61312	3	17,33/02	62401	9	11/02;6,10/03
54343	10	14,19,48/02;4,5,11,12/03	55200	2	12,27/02;8,10/03	61331	4	7/03	62402	10	10/03*
						61400	2	27/02;7/03	62404	3	6/03
									62406	2	8,24,33/02
									62408	7	11,15/02;10/03

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 12/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;

* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
62409	6	2/02;7/03	63111	9	17,25,48/02;9/03	71305	2	9,14,31,34,36/02;2/03	73590	6	16,31,47,52/02
62411	1	52/02	63120	2	44,48,52/02;8/03	71311	4	7/03	73601	3	12,15,17,24,26,31,34,35, 47/02
62413	11	33/02	63121	5	48/02;5,8/03	71313	8	45/02	73610	4	26,31/02
62417	1	52/02	63150	1	14,15,25,31/02	71314	5	6,10/03	73631	4	36,46/02;1/03
62419	6	33/02;8/03	63200	5	52/02	71315	2	14,27,31,34/02	73640	5	23,36/02
62420	5	33,37,39/02;8/03	63201	9	40/02	71320	1	35/02;5/03	74000	6	10,12,24,36,47/02;2,7/03
62429	9	17,27,39,43/02	63210	3	45,52/02	71325	8	5/03	74002	2	2,13,14,18,25,27,28,35, 47/02
62431	8	26*,27,37/02	63220	5	26,45,52/02	71330	13	35/02;5/03	74003	5	2,22,25,28,47/02;7,10/03
62432	15	4,25,31,34/02;2/03	63230	6	17*,45/02	71331	11	5,7/03	74004	2	12,13,18,35,37,39,47/02; 9/03
62433	12	15,30,31,34,45/02;1/03	63231	8	31,45/02	71333	2	6,7/03	74005	2	9,13,18,19,31,34,35,46, 47,51/02;4,7,9/03
62434	9	12*,40,46,52/02;8,12/03	63232	3	45/02	71335	2	8/03	74006	2	26,31/02
62437	9	32,46/02	63233	15	31/02	71340	11	18,19,22,40,46/02;2,4,5, 6,7/03	74007	1	36/02
62439	4	1/03	63250	6	14*,29,40/02;11/03	71343	3	7/03	74008	6	9,15,51/02
62440	7	5,15,17,20,49/02;6/03	63271	8	19,52/02;8/03	71348	3	18,35/02;7/03	74009	10	3,9,20,22,25,38,49/02;8, 9/03
62441	10	16,36/02	63290	7	19,31,32,38/02;10/03	71350	8	15,18,20/02;5,6,7/03	74012	10	17,20,22,26,37,40,49/02; 6,8/03
62448	2	2,23/02	63291	9	19,33/02	71400	5	11/02	74015	10	20,40/02
62449	4	15/02	63310	5	11/03	71401	1	40,46,51/02;5/03	74017	4	3,12,17,18,37,45/02
62451	7	2,21,23/02	63320	8	30/02	71402	1	18,40,46/02;4,5,6/03	74018	6	44/02
62453	3	25,33/02	63321	6	30,42/02;9/03	71410	1	11,39/02;12/03	74020	4	16,17,33,37,38,43/02; 5/03
62455	7	17,27,39,43/02	63322	2	30/02;9/03	71420	1	38,39/02;3,12/03	74021	7	10,13,14,20,33,35,39, 44/02;7,10/03
62456	1	27/02	63324	1	6/02	71430	3	11/03*	74024	7	31,44/02
62457	6	11/03*	63330	9	27,39/02;4/03	71440	2	11/03*	74027	9	43,44/02
62459	2	6/03	63337	15	27,31,39/02;4/03	71445	1	7/03	74030	6	10,28,51/02
62460	4	6,24,31,33/02;10/03	63400	1	39/02;8,11/03	71450	1	22,25/02;7/03	74042	1	6/02
62464	2	15*,31,49,50/02;4/03	63410	6	39/02;8,9/03	71455	2	11/03*	74053	2	10,28,51/02
62480	1	13,15,18,23,30,31,33,37, 43/02;6,8,10/03	63413	5	39/02	71460	1	15,20,25,41/02	74054	2	28/02
62490	1	2,4,12,16,18,25,29,31,32, 33,43,50,52/02;8/03	63420	2	39,45/02;8/03	71465	1	20/02	74071	4	12/02
62498	4	12*,23,25,27,31/02;4, 9/03	63424	2	45/02	71470	2	15,38/02	74151	9	4,10,20,24,27,36,44/02; 2/03
62499	4	15*,25,27,31,49,50/02;4, 9/03	71005	1	7,9,34/02;2,6,12/03	72000	8	4,31,32,35,47,50/02;2/03	74152	11	14,36,44/02
62500	5	12*,23,25,27,31/02;4, 9/03	71006	5	8,39/02	72007	10	6,30,36,38,47,51/02;2,5, 7,11/03	74153	2	4,14,36,44/02;2/03
62501	3	11*,12/03	71009	3	9,39,46,48/02;1,6,7/03	72014	10	12,46/02;7/03	74162	4	10,36,46,47/02;8/03
62512	3	N11*,N12/03	71012	3	19,33,39,46/02;1/03	72021	8	31,36,38,47,50,51/02; 7/03	74171	4	33,36,47/02;3,10/03
62515	2	14,26,45/02	71018	10	2,5,9,10,15,33,35,37/02; 7,12/03	72028	7	4,15,15,31,34/02	74172	5	2,36,47/02;7,10/03
62520	5	5,6,7,13,15,17,20,30,31, 37,43,49/02;10/03	71027	9	7,15,19,20,22,24,25,34, 38,45,49/02;2,4,5/03	72035	8	16,31/02;8/03	74181	8	2,11,13,23,28,33,35,37, 38,39,47/02;10/03
62521	3	N5,N6,N7,N13,N15, N17,N20,N30,N31,N37, N43,N49/02;N10/03	71033	31	7,15,23,37,38,49/02;3, 12/03	72040	3	11/02	74182	12	3,5,11,13,23,24,25,26,28, 33,35,37,38,39,41,42,44, 51/02;6,10/03
62530	5	7,31,33,43/02;8/03	71036	8	9,11,35,44/02;12/03	72045	2	16/02;8/03	74183	11	11,38,39,42/02;4,6/03
62531	3	N7,N31,N33,N43/02; N8/03	71040	5	27,34,42/02;7/03	72060	8	32,50/02	74184	10	10,13,23,24,28,33,35,37, 38,46,48/02
62540	6	17*,18,21,23,25,26,29, 31,32,34,40,45,48,50, 52/02;8,12/03	71042	1	34/02	72070	4	8,11,32/02;2,9/03	74186	7	11,18,34/02;4,10/03
62541	3	N17*,N18,N21,N23, N25,N26,N29,N31,N32, N34,N40,N45,N48,N50, N52/02;N8,N12/03	71043	2	25/02*	72075	2	8,20,02/2,9/03	74190	7	2,13,22,23,26,35,36,37, 46/02;1/03
62550	2	7,13,30,43/02;10/03	71044	1	27/02	72080	7	8,20,51/02;2,9/03	74191	2	19,22,24,26,35,46,48/02; 1,7,9/03
62560	3	2,21,23,25,29,52/02	71058	2	23,36/02	72085	2	6,8,30,47,51/02;2,9/03	74192	3	5,24,26,28,35,46/02;1/03
62570	4	17*,21,23,25,26,31,32, 33,34,36,40,45,48/02;8, 12/03	71059	1	23,36/02	72094	2	29,38/02;7/03	74200	8	5,14,18,21,27,28,37, 46/02;1,8/03
62580	3	2,4,14,23,26,32,33,45/02; 12/03	71061	15	23,36/02	72100	7	29/02;7/03	74201	9	27/02
62590	2	4,9,12,16,28,29,36,40,46, 48/02;8,12/03	71066	1	39/02;6,7,10/03	72105	2	36,38/02;7,11/03	74202	3	14,16,21,24/02;1,7/03
62591	3	N4,N9,N12,N16,N28, N29,N36,N46,N48/02; N8,N12/03	71071	5	15/02	72107	2	12,15,27,29/02;7/03	74204	5	13,14,21,24,27,37/02;1,7, 8/03
63000	13	5,12,27,28,48/02	71081	3	16/02	72109	3	42,44/02	74205	2	16,24,25/02
63005	18	4,15,25,31/02	71083	13	32/02	72110	9	12,15/02	74206	2	8,24,34/02
63010	14	26,29,31,52/02	71085	24	5,8,13/02;7/03	72113	3	13/02;11/03	74210	7	12,25/02;7/03
63015	11	31,38,40,52/02;9/03	71086	2	5,8,13/02;7/03	72117	2	12,15/02	74220	8	6,11,13,17,23,25,26,35, 47,51/02
63020	15	27,31,30/02;4,9,11/03	71210	18	44/02;3/03	72181	2	36/02;7,11/03	74221	2	11,13,35,51/02
63040	2	12*,46/02	71211	4	38/02	72190	2	6,30/02;10/03	74229	2	5,6,11,17,22,23,33,37,43, 47/02
63050	2	5,12,17,46/02	71212	1	18,38/02	72201	5	9/02;8/03	74230	7	11,13,28,39,42/02;5,7/03
63054	4	12*,14/02	71223	8	17/02	72203	2	16/02	74231	7	5,6,19,23,35/02;3/03
63055	2	19*,31/02	71230	11	23,38/02;6/03	72211	6	43/02;5,8/03	74232	9	2,9,15/02;5,7/03
63057	2	5,14,29/02	71239	3	4/02	72231	8	31/02	74234	1	2/02;8/03
63060	7	5,12,25,28,32/02	71241	10	18/02;6,12/03	72236	1	9,12/03	74240	8	4,9,15,34,39,42/02;4,5,7, 8,9/03
63062	7	5,18,28,29/02;7/03	71243	4	33/02	73000	9	26,40,52/02;10/03	74251	8	4,15,17,23,25,26,31,32, 34,37,42,44,46,51/02;6, 9/03
63063	9	5,27,29/02	71247	18	20,21/02;5,6,8/03	73004	4	4,26/02;10/03	74252	9	19,47/02;5,7,9/03
63065	6	18/02	71248	2	N51/02*:N1/03	73006	2	26/02	74253	6	4,11,15,17,19,23,25,27, 32,47/02;8,9/03
63070	3	20,27,28,29/02	71249	2	35/02	73008	8	8,16/02;11/03	74261	9	15,25,41,49/02;4,10/03
63080	5	26,27,28,31,48/02	71251	11	20,35,40,42/02;5,6,	73010	3	13/02	74265	2	4,11,15,17,18,19,25,31,
63090	8	25,31/02	71253	10	14,21,35,40,42/02;5,6,	73012	6	11/03*			
63091	4	26,27,32,39,48,52/02; 9/03	71255	5	9/02;6/03	73014	10	48,52/02	74271	9	9,19,28,38,46/02
63100	2	4,15,44/02	71257	2	4,8,9,15,18,21,23,28/02;	73016	4	15,44/02			
63101	15	14,17,19/02	71258	2	5,6,7/03	73018	3	13/02			
63102	19	14,17,19,26/02	71261	8	2,13,35/02;2/03	73020	9	3,25/02;9/03			
63103	4	14,17,26,29/02	71262	7	6/03	73022	4	13/02			
63104	2	4,15,44/02	71265	3	46*,49/02;7/03	73024	3	39/02			
63105	15	14,17,19/02	71267	10	23,25,30,34,52/02	73026	4	4,20/02			
63106	7	5,12,25,28,32/02	71271	10	18/02;6,10/03	73028	2	18/02;5/03			
63107	5	12,25,28,32/02	71272	10	23,30,34/02	73031	5	13/02			
63108	6	18/02	71273	2	14/02	73032	4	4,25/02;9/03			
63109	3	20,27,28,29/02	71275	3	13,23,35/02;2,6/03	73034	2	18/02;5/03			
63110	15	14,17,19/02	71281	7	51/02	73036	4	10/03			
63110	19	14,17,19,26/02	7128								

SECTION I

NM 12/03

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 12/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
 * indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
74272	7	26,32/02;4/03	75134	3	7,23,27,33,51/02;5/03	82244	5	35,42,48/02	92460	1	11/02
74273	5	18,19,31,38,41,43/02;7/03	75142	5	4,8,15,21,28,36,42,50/02	82253	7	35,48,50/02	92470	3	19,21/02
74281	7	3/03	75143	4	4,12,15,20,28,32,33,36,38,42,50/02	82374	9	22/02	92560	4	45/02
74283	2	46,49/02	75144	3	20,31,33,36,42,51/02;4,10/03	82377	2	22/02	93006	2	21,39,45/02;4,8,10/03
74285	2	31,34,35,45/02;1,9/03	75150	5	13,16,50/02	82580	2	19/02	93010	6	15,17,22,27,38,40,41/02;2/03
74286	2	15,22,24/02	75160	6	6,22,23,24/02	82646	2	19,33/02	93018	8	9,27/02;1/03
74287	2	27,34,38,52/02;9/03	75170	12	38,39/02;8/03	82649	5	3,18,20,33/02	93020	2	15,24,38/02;4/03
74289	5	13,18,26/02;9/03	75171	22	5,8,10,12,14,17,18,22,27,31,32,33,36,38,40,42,48,52/02;1,7,9,10/03	82684	3	3,12,18,33,38/02;7/03	93022	4	6,18/02
74290	11	13,25,34,39,45,46,48,49,51/02;1,7,9,10/03	75172	5	39/02	82689	3	5,6,18,38/02	93025	5	45/02
74292	8	13,27,34,38/02;9/03	75173	9	8,10,12,14,17,20,25,31,32,33,36/02;1,6/03	82690	10	6,18,19,20/02	93030	6	6,18,45/02
74293	7	25,34,45,48/02;9/03	75175	9	5,16,18,31,33,38,40,45,50/02;6/03	82694	6	38/02	93032	3	45/02
74294	3	25,34,45/02	75176	9	5,7,14,17,27,42,50/02	82697	6	38,46/02	93043	1	45/02
74295	3	18,22/02;4,9/03	75177	7	5,12,18,27,38,48,50,52/02;6/03	83010	6	6/03	93046	1	9,45/02;5/03
74296	4	27,34,38,49/02;9/03	75178	2	3/02;8/03	83020	8	7/02	93047	2	45,49/02
74310	2	9/02	75179	2	11,23,47/02	83021	1	25,27,43/02	93048	1	35,49/02;5/03
74320	3	35/02;8/03	75180	2	22,47/02;8/03	83023	4	25,27,43/02	93049	1	45/02;4/03
74330	3	15/02	75185	2	22,47/02;8/03	83025	1	12/03	93061	4	45/02
74340	3	15,27/02	75190	2	11,23,47/02	83026	32	18,41/02;6/03	93101	2	N24,N34,N38/02;N2/03
74350	4	25/02	75191	6	3,22,25,37,38,43,47/02;8/03	83032	1	18/02	93110	2	22,24,38,40,41/02;1,2/03
74376	5	43/02;9/03	75193	6	22,49/02;1,5,7,10/03	83034	1	12/02	93113	2	19/02
74380	4	2,3,9,22,32/02;8,9/03	75196	2	36,39,40,52/02;7/03	83039	11	9,12,41/02;6/03	93115	2	40,41/02
74391	3	15/02	75197	6	3,22,25,37,38,43,47/02;8/03	83252	8	18/02;2,12/03	93117	2	19,40,41/02
74392	7	16,22,25,39/02	75198	6	2,12,16,19,25,28,31,38,41,50/02;3/03	83253	2	18/02;12/03	93160	4	15*,27,34/02;1/03
74393	9	12,16,18,19,25,28,31,38,41,50/02;3/03	75208	2	14,26,50/02	83382	9	20,25,27/02	93180	7	27,34/02
74394	2	3,12,18,19,28,31,41,49,50/02;3/03	75213	2	36,32/02	83383	2	20,25,27/02	93200	4	9,26,27/02
74410	3	16,20,25,38/02;7/03	75215	2	36,39,40,52/02;7/03	83392	5	31/02	93220	6	17,27,34/02
74415	1	39/02	75220	12	10,14,36,39,49/02;4/03	83393	2	N31/02	93240	11	17,34/02
74420	3	45/02	75222	8	18,22,35,40/02	83397	6	8,18/02;1/03	93241	9	8/03
74430	2	49/02	75240	4	14,36,39/02;2,4/03	83425	6	3,20,35/02	93243	6	42/02
74440	3	32,39/02;2/03	75241	6	34,36/02	83500	1	9,12/02	93247	4	26/02
74450	3	21,22,26,49/02;2/03	75251	5	23,33,48/02;3/03	83560	3	9/02	93260	8	27,31/02;7/03
74455	3	9,19,21,23,48/02;1,4/03	75261	6	13,17,21,23,24,33,36,48/02;3,6/03	83570	2	5,24/02	93261	5	31/02;7/03
74460	4	21,22,26,37,40,46,49/02;6/03	75262	6	12,38/02	83572	1	24/02	93360	5	38/02
74465	2	9/02;9/03	75263	9	17,32/02;5/03	83574	2	5/02;7/03	93385	6	6,18/02
74470	2	8/03	75264	17	16,17,19,33,34,37,41,42,44/02;2/03	83580	2	12,24/02;8/03	93404	6	6/02
74475	2	44/02	75265	2	13,17,20,21,24/02;6/03	91008	1	12,29,44,48/02;8,10,12/03	93420	4	18/02
74480	2	44/02	76015	1	3,4,18,23,24,29,35,40/02	91010	6	29,48/02;10,12/03	93440	4	18/02
74485	3	16,43/02	76020	7	8,18/02	91020	5	10,19,21,22/02	93460	7	6/02
74491	4	6/02	76030	9	9,12,24,49/02	91025	8	7,10,21,22/02	93520	13	45/02
74492	7	6,16/02	76041	2	2/02	91030	3	7,10,11,21/02	93610	3	44,45/02;6/03
74493	3	6,16,38,43,45/02	76050	8	24,49/02	91040	1	10,11/02	93650	2	19,44/02;6/03
74494	2	41/02;8,9/03	76052	8	8,12,15,21/02;4,5/03	91080	4	11,21/02	93652	2	3,6/03
74510	2	14,16,17,33,35,37/02;5,10/03	76054	5	9,49/02	91170	2	38,41,44/02	93680	3	45,47/02
74515	4	10,13,14,20,28,33,35,39/02;4,7,10/03	76056	3	9/03	91240	5	7,10/02	93690	2	44/02;6/03
74517	3	10,13,18,20,21,39,41/02;4/03	76060	7	40/02	91280	7	19,22/02	93725	6	20,45/02
74521	3	28,41/02	76061	3	40/02;9/03	91286	10	13,20/02	93726	4	26,48/02;8,12/03
74527	2	28/02	76067	9	4,23,35/02	91289	19	13,19,20/02	93730	3	6,21,39,40,42,45,47,50/02;4/03
74530	2	28,44/02	76080	8	3/02;1/03	91297	9	10,14/02	93733	13	5,6,17,21,22,26,32,39,45/02;4/03
74535	2	31,42,44,48/02	76081	7	9,12/02	91300	3	10,21,22/02	93734	11	6,17,22,26,32,45/02;4/03
74545	3	28,40/02	76083	3	1/03	91309	4	13/02	93736	22	5,6,8,11,16,22,26,32,41/02;4/03
74550	4	5/03	76090	6	2,9/02	91331	3	10,21/02	93778	8	14,47/02;7/03
74555	3	10,34,43,44,48,51/02;5/03	76110	5	23/02	91340	3	11,19,21/02	94004	6	2,12,14,19,29,30,33,37,44,52/02;8,9,10,12/03
74560	10	14,23,28,32,40,43,46,48,50/02;4,5/03	76120	6	6,22,23,25/02	91360	2	11/02	94016	2	12,23,33,35,52/02;3,9,10/03
74561	2	5/03	76140	7	2,46/02	91400	2	10/02	94028	7	7,8,9,13,14,23,25,40,42,52/02;1,6,7,8,9,11/03
74581	9	9,13,20,26,32,34,36,40,41,43,45/02	76141	8	4,14,19,46/02	91407	2	10/02	94040	13	30,37,47,51/02;6,8,10/03
74582	9	3,9,13,18,26,28,40/02	76150	6	35/02	92006	5	45,46/02;5/03	94042	9	47,51/02;7/03
74583	15	26,32,34,40,43,44,48/02	76151	7	5,22/02	92030	5	45/02	94060	10	2,5,27,29,30,33,37,46,47/02;7,8,10,12/03
74584	5	4,18,22,25,32,34,41,43,45/02	76161	10	9,40/02	92060	3	21/02	94061	5	2,5,19,33,35,45/02
74590	2	10,28,51/02	76170	10	9/02	92061	3	21/02	94063	4	29,33,41,02/8/03
74591	7	10,40/02;8/03	76180	1	2,4,6,18,22,23/02	92115	1	13,15/02	94067	10	33/02;10,11/03
74595	2	28/02	81002	6	18/02	92120	3	5/02	94080	7	14,15,27,29,30,33,44,48/02;9,10/03
75000	6	47/02;6/03	81023	5	18/02	92200	3	10,19/02	94082	8	5,13,14,25,27,30,44/02;8/03
75001	3	9,23,47/02;5,6/03	81048	8	14/02	92210	3	18*/19/02	94083	12	5,13,17,25,44/02
75010	7	16,18,41,42,50/02	81054	12	14,29/02	92214	4	3,19/02	94084	1	5,6,13,23,25/02
75025	9	14,22,23,36,39/02;2,4,8/03	81063	5	2/02	92216	3	23/02*	94120	6	12,19,21,33,38,48,52/02;9,10/03
75035	18	10,21,24,36,39/02;2,6/03	81076	9	51/02;10,12/03	92242	2	3/02	94122	7	19,30,40/02
75051	6	13,16/02;5/03	81092	3	38*,50/02	92290	2	7,11/02	94123	9	12,21,33,38,42,44,52/02;9,10/03
75052	2	13,16/02	81711	6	23/02	92293	2	7,11/02	94124	13	38,42,44/02;10/03
75110	2	50/02	81715	4	23/02	92310	4	5,11,13/02	94127	2	21,33,38/02;6,9/03
75120	2	16,42/02	82015	13	22/02	92320	4	7,10/02			
75130	16	7,16,18,21,27,31,34,41,50,51/02;5,7,8/03	82020	7	22/02	92380	3	7,10,11/02			
75131	7	18,20,28/02	82210	2	42,48/02	92410	3	10,11,14/02			
75132	11	31/02	82242	1	35,48,50/02	92420	4	11/02			
						92450	3	7,21/02			

SECTION I

CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 12/03

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;

* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.	Chart No.	Ed. No.	Notice to Mariners No.
94160	7	2,26,27,33,38,44,46,47, 50,51,52/02;9,10,12/03	95144	9	8,10,19,38,41,46,48,50, 52/02;1,6,8,9,10,11/03	96580	3	10/03	97188	2	1,7/03
94164	2	2,26,27,46,50,51/02; 12/03	95146	14	7,10,19,36,38,39,40,41, 44,46,47,48,50,52/02;1,8, 9/03	96621	5	10/03	97189	2	25,28,44/02;9/03
94165	4	14,20,26,50/02	95147	13	7,39,41,44,45,46,47,48, 49/02;1,5,9/03	96640	5	6/02	97190	2	8,9,22,34,39,52/02;8/03
94180	9	26,32,42,44,47,50,51/02	95149	9	15,18,22,34,36,37,38,41, 43,48,49,52/02;8,9/03	96645	1	26/02	97200	9	11,52/02;8/03
94184	2	N51/02	95151	17	13,15,18,34,36,37,38,40, 47,50/02;1,5/03	96760	4	5,7,29,35,45/02	97202	15	43,44,52/02
94187	3	32/02	95152	5	37,38/02;6,9/03	96762	3	29/02	97204	9	2,10,28,29,45,52/02;4,6, 10/03
94188	2	44,46,47,51/02;8/03	95153	2	15,22,34,36,37,38,43/02	96763	7	29,43,48/02;9/03	97206	2	10,12/02
94201	1	51/02	95160	13	4,7,8,9,15,27,41,42,47, 52/02;1,6,8,9,11/03	96764	2	5,19/02;7/03	97207	3	11/02
94203	10	22,26,41,42,44,46,47, 52/02;10,11/03	95161	16	13,15,18,34,36,37,38,40, 42,7,31,40,45,48,50/02;1, 5,6,8,9/03	96780	4	19*,41/02	97218	3	10,21,41/02;6/03
94206	3	22,26,41,42,44,47,52/02; 11/03	95162	2	20,40,44,47/02;10/03	96820	4	6/02	97219	4	10,12,21,25,31/02;6,9/03
94207	5	N26,N42,N44,N47, N52/02;N11/03	95163	2	27/02;1,6,9,10/03	96840	3	6,19/02	97220	3	2,7,8,21,24,31,37,39,42, 43,44/02;6,8,9/03
94208	6	N44/02	95164	4	43,48/02;1,6,9/03	96860	3	6,7,8/02	97221	20	2,7,8,10,11,21,24,31,37, 39,42,44,45,49,52/02;6,8, 9,10/03
94216	6	27,45/02;10/03	95165	10	44/02;1,6,9,11/03	96881	2	7/02	97222	12	11,25,28,47/02;10/03
94217	4	30/02;6/03	95169	2	4,44,50,52/02;11/03	96882	4	7,8/02	97223	3	8,42,44,48/02
94218	3	30,36/02;6/03	95171	1	1,6,9/03	96883	9	7/02	97224	6	11,18,25,27,46,47,49/02
94219	1	47/02	95172	1	1,9/03	96900	4	5,7/02	97225	31	2,7,8,11,21,24,37,39,42, 44,45/02;6,8,9,10/03
94220	4	22,26,41,42,47,49/02;8, 10,11/03	95173	1	15,16,17,50,52/02;1/03	96901	3	5,7,19,27/02;7/03	97226	7	17/02
94260	5	49/02;1,6,11/03	95174	1	17,50,52/02;12/03	96902	2	5,7,45/02	97227	11	21,24,42,43/02;9/03
94280	5	51/02	95176	2	16,20,31/02;8,11/03	96904	2	5,27,41/02;12/03	97228	15	2,21,28,30,39,40,42, 43/02;5,6,9/03
94281	6	6/03	95177	1	18,41,50/02;9/03	96906	2	27/02	97229	12	2,7,8,18,24,27,31,36,39, 47/02;6,8,9/03
94282	9	46/02;8/03	95180	11	9,15,17,18,27,40,42,44, 49/02;1,6,9,10/03	96910	1	6,7,8/02;10/03	97230	18	2,29,36,52/02;6,9/03
94283	7	46/02;2,8,12/03	95185	2	20,31,40,44,49/02;10/03	96937	2	4/02	97231	11	10,21,41/02;6/03
94290	2	1,7/03	95186	4	12,44/02;1,6,9/03	96938	4	9/02;4/03	97232	8	4,15,20,25/02
94322	14	8/03	95187	1	1,9/03	96939	3	4,7,9/03	97233	11	31,33,43,44,49/02;1,5,6, 9/03
94360	6	18,32,43/02;6/03	95188	11	9,15,17,18,27,40,42,44, 49/02;1,6,9,10/03	96943	15	44/02;1,9,10,12/03	97234	17	29,43,47,49/02;1,6,8, 9/03
94361	13	18,32/02	95189	13	41,46/02;1,6,9/03	96944	6	45,52/02;6/03	97236	20	31,47/02;9/03
94363	4	32,43/02	95190	8	6,48/02	96945	3	43,52/02	97239	10	31,33/02;1,5,9/03
94380	4	N5,N6/03	95191	5	11,17/02	96947	15	6,12/03	97241	6	10/03
94384	3	5/03	95192	16	39,48/02;6,9/03	96949	21	45/02	97243	8	21,28,29,31,33,48/02;1,5, 6/03
94420	3	5,39/02;4,8,11/03	95193	7	48/02;1,5,9/03	96952	4	19,30,35/02;1,9/03	97244	5	9/03
94421	10	15,45/02;4/03	95194	13	41,46/02;1,6,9/03	97021	7	2,16/02	97245	11	7,17,28,36/02;1,5,9/03
94423	12	19,45/02;11/03	95195	8	6,48/02	97026	10	23/02	97246	7	43,52/02;5/03
94427	2	N32/02	95196	5	21/02*	97029	3	19/02	97251	4	6,10/03
94440	2	46/02	95197	16	8,48/02;9,10/03	97040	5	43,47/02	97261	15	10,17,18,41/02;1,5,7/03
95016	8	9,12,40/02	95198	4	44,48/02;9,10,12/03	97043	2	17,23/02	97262	10	21,29,34/02;1,5,6,7/03
95040	8	4,40/02;11/03	95199	2	48/02	97060	8	9,46/02;12/03	97263	10	5,7,9/03
95060	13	4,10,14,15,16,40,43,44, 47,48,52/02;1,6,11/03	95200	3	48/02	97061	3	52/02	97266	5	10,17,37,41/02;1,5,6, 7/03
95065	5	4,14,48/02;10/03	95201	3	21/02*	97062	12	8,9,27,44/02;6,10/03	97267	16	17,18,25,29,40,41/02;1,5, 6,8,10/03
95066	11	4,10,13,14,15,16,18,19, 20,41,43,44,47,48,49, 50/02;1,5,6/03	95202	9	2,17,48/02;8/03	97064	2	8,9/02;6/03	97268	10	6/03
95067	13	18,41,44,46/02;1,5,10/03	95203	15	8,35,38/02	97080	5	9/02	97269	11	20,45/02;8/03
95068	1	41,42,45,47/02;12/03	95204	8	10,11,18,19,42,47/02;1, 10/03	97082	5	24,46/02	97270	6	36,44/02;1,5/03
95080	13	8,10,13,16,18,25,27,30, 33,40,44,45,50,52/02;1,6, 7,9,10/03	95205	16	30/02;9/03	97083	3	9,24/02	97271	12	17,18,25,29,37,39/02;6, 10,12/03
95082	9	10,13,19,21,25,27,30,33, 44,46/02;1,4,7,11/03	95206	5	6,8/02	97101	1	28/02	97272	11	19,52/02;6,10,12/03
95083	8	21,25,33/02;1,4/03	95207	16	7,8,11/02	97104	4	8,10,20/02;7/03	97273	10	19,27,34,42,45,49/02;6,8, 9/03
95084	7	15,16,18,50,52/02;2,8, 12/03	95208	4	6,7,41/02	97105	3	8,10,20/02	97274	19	19,27,31,34,39,45/02;6, 9/03
95085	4	15,45,52/02;1,6,11,12/03	95209	15	21/02*	97120	6	2,15,22,28,31,37,40,42, 43/02/9/03	97276	1	27,29,40/02;9/03
95086	5	15,45,52/02;1,6,8,11, 12/03	95210	3	38/02	97140	17	2,10,15,22,33,37,39,43, 45/02;7,9/03	97277	11	10,17,27/02;1,5,6,8,9/03
95087	3	4,19,21,25,33,40,48/02;1, 8/03	95211	7	16,17,30/02	97141	5	13*,19,21,40,46/02;8/03	97278	11	39/02;1/03
95100	12	7,8,9,10,13,14,15,16,18, 38,39,43,44,45,46,47,50, 52/02;1,4,6,7,8,9,10/03	95212	11	16,17,30/02	97143	11	2,21,31,43,45/02;9/03	97279	9	27/02;9/03
95101	8	8,13,14,15,39,44,50/02;1, 5,6,9/03	95213	8	16/02	97144	14	44*,46/02;7,8,9/03	97280	4	52/02
95102	8	8,10,13,38,42,45,46,47, 48,50,52/02;1,4,5,8/03	95214	5	30/02	97148	9	21*,23,45/02;9/03	97281	2	41/02
95103	8	8,13,42,43,45,47,52/02;4, 6,7,10,12/03	95215	4	9/02	97149	20	25,34,35,44,45/02;1/03	97283	3	45/02;9/03
95120	7	6,13,17,20,21,42,43, 52/02;1,4/03	95216	4	11,12/02	97150	13	34,39,43,44/02	97285	6	10,19,23,27,31,34,42,42/ 7/03
95138	8	45,46,48,49,50,52/02; 8/03	95217	4	12/02	97151	16	31,35,44,45/02;12/03	97286	6	10,11,21,23,25,27,31,34, 35,36,41,42/02;6,8,10/03
95140	15	7,8,10,14,15,18,22,38,40, 41,44,48,49,52/02;1,7,8, 9,10/03	95218	2	10/03	97152	1	35,37/02	97287	5	11,34/02
95141	8	7,14,45,47,50,52/02;1,6, 7,8/03	95219	2	10,12/03	97153	7	31/02	97300	6	12/02;1/03
95142	9	15*,18,19,50,52/02;8, 10/03	95220	4	12/03	97154	2	36/02	97303	3	18,25,47,48/02
95143	11	4,15,18,40,45,47,48,49, 50/02;1,5,6,7,8,9,10,11, 12/03	95221	1	41/02;10/03	97155	14	2,20,31,35,36,37,39,40, 48/02/12/03	97320	6	33/02
95144	8	9,10,11,22,31,34,39,43,45, 46,48/02;4,8/03	95222	4	12/03	97156	6	2,13,37/02;1/03	97340	8	27,33,38,52/02
95145	8	9,8,11,18,22,25,31,34,39,46, 48/02/1,4,7,8,12/03	95223	9	11/03	97157	1	35,37/02	97341	9	2,27,34/02
95146	9	9,11,18,22,25,31,34,39,46, 48/02/1,4,7,8,12/03	95224	15	25,28,47/02;1,7,12/03	97158	14	27,38/02	97342	14	27,38/02
95147	8	9,11,18,22,25,31,34,39,46, 48/02/1,4,7,8,12/03	95225	13	11,18,21,23,31,34,39,46, 48/02/1,4,5,6,7,8,12/03	97159	6	33,39/02;7/03	97343	12	27,38/02
95148	9	9,11,18,22,25,31,34,39,46, 48/02/1,4,7,8,12/03	95226	13	11,18,21,23,31,34,39,46, 48/02/1,4,7,8,12/03	97160	1	35,37/02	97360	6	20,23,27,38/02;5,7/03
95149	8	9,11,18,22,25,31,34,39,46, 48/02/1,4,7,8,12/03	95227	13	11,18,21,23,31,34,39,46, 48/02/1,4,7,8,12/03	97161	7	37/02;7/03	97380	7	21,39,47,52/02;1,2,8/03
95150	15	7,8,10,14,15,18,22,38,40, 41,44,48,49,52/02;1,7,8, 9,10/03	95228	3	11/03	97162	2	23,33/02	97381	7	27/02;7/03
95151	8	7,14,45,47,50,52/02;1,6, 7,8/03	95229	2	10/03	97163	6	8,9,11,22,31,34,39,43,45, 46,48/02/4,8/03	97382	2</td	

SECTION I**NM 12/03****CHARTS AFFECTED BY NOTICE TO MARINERS
NM 2/02 THROUGH NM 12/03**

Note: N indicates Not For Sale; P indicates Preliminary; T indicates Temporary;
* indicates New Edition/New Chart; ** indicates Chart Canceled

Chart No.	Ed. No.	Notice to Mariners No.
97389	1	39/02
97390	5	7,31,39,40/02;2,5,12/03
97391	26	31/02;6,7,12/03
97392	5	21/02;1/03
97396	14	7,18,21,36,39,40/02;2/03
97397	7	3,8,18,25,39,49/02
97398	3	21,25,49/02
97400	3	25,26/02;1,12/03
97410	8	11,21/02
97412	7	40/02
97420	17	8,9,21,34,39,42,47,52/02;1,8,10/03
97421	13	20,35,36/02;1,10/03
97423	2	20,35,36/02;1/03
97425	6	10,34,39,47,52/02;1,6,8,10/03
97440	8	20,23,27,52/02;1/03
97441	5	20,46/02
97460	7	40/02;5/03
97461	9	4,5,21/02;5,8/03
97465	9	5,21/02;1,6,8/03
97466	2	5,25,46/02;1/03
97469	10	7,26/02;1,6,8/03
97471	5	N7,N31/02
97472	8	6,7,34/02
97473	7	5/02
97474	7	21/02
97480	7	12,21,35,52/02;3,9,10/03
97481	6	10,47,49/02;9/03
97483	7	48,52/02
97521	6	19,42/02
800669	8	N20/02
800744	1	N22,N49/02;N5,N12/03
801217	1	N5,N6,N7,N21/02;N6,N8/03
801885	3	N28/02
801959	2	N10/02
802202	8	N14,N23,N31,N35/02;N1,N7/03
802260	5	N20/02
803404	2	N26/02
804037	1	N28/02
804059	2	N20/02
804567	4	N17/02
805118	3	N12/03
805647	2	N37,N51/02
807861	2	N27/02
808528	1	N25/02
809310	9	N13,N18,N39/02
809679	2	N25,N50/02;N12/03

SECTION II**NM 12/03****NIMA HYDROGRAPHIC PRODUCTS CATALOG CORRECTIONS**

Note: Underlining indicates that column in which a correction has been made or new information added.				Edition		Price Category	Page(s)	NTM
NIMA Ref. No. (National Stk. No.)	Title	Scale = 1:	No.	Date				
DNCDX017 (7644014337969)	MISCELLANEOUS CHARTS AND PUBLICATIONS Eastern United States (The 32nd edition was not announced in the Notice To Mariners)		<u>33</u>	<u>1/03</u>	DS	10-43	12/03	
DNCDXVDU (7644014946812)	Digital Nautical Chart (DNC) - VPF Database Update (VDU)		<u>11</u>	<u>1/03</u>	DS	10-43	12/03	

Price Categories effective 1 October 2002

A 17.75	E 9.00	G 4.50	I 26.25
D 10.75	F 9.00	H 2.50	R 2.50

CHS Canadian Hydrographic Service

DS Distribution Limited

GPO Government Printing Office

NOS National Ocean Service

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Note: New editions cancel former editions. They include corrections published in the Notice to Mariners prior to the effective date of the new editions and/or important corrections from other sources. Mariners are warned against the use of obsolete charts and publications as new editions contain information essential to safe navigation; however, such new editions are not valid until their availability is announced in the weekly Notice to Mariners.

NAVIGATION PUBLICATIONS

SAILING DIRECTIONS CORRECTIONS

PUB 120 2 Ed 2001
 Page 36—Lines 53/L to 23/R; read:
Sea Areas—Strait of Juan de Fuca

LAST NM 11/03

- b. 48°16'51"N, 123°55'00"W.
- c. 48°17'54"N, 124°01'00"W.
- d. 48°22'30"N, 124°17'30"W.
- e. 48°28'18"N, 124°17'30"W.

(Can Annual Notice No. 35 of 2002; PUBS 006-03) 12/03

Area SJDF (Chartlet 1)

Sub-surface operations—An area bounded, as follows:

1. To the W—124°40'W.
2. To the N—Vancouver Island.
3. To the E—123°35'E.
4. To the S—Washington State.

WA (Esquimalt, B.C.) (Chartlet 2)

Pyrotechnics exercises and general air and surface operations—Area enclosed by a line joining the following positions:

- a. 48°20'36"N, 123°31'34"W.
- b. 48°23'15"N, 123°28'36"W.
- c. 48°25'50"N, 123°26'45"W.
- d. 48°24'25"N, 123°23'15"W.
- e. 48°15'21"N, 123°23'15"W.
- f. 48°13'36"N, 123°31'48"W.
- g. 48°20'00"N, 123°34'30"W.

WB (Esquimalt, B.C.) (Chartlet 2)

Pyrotechnics exercises and general air and surface operations—Area enclosed by a line joining the following positions:

- a. 48°24'25"N, 123°23'15"W.
- b. 48°23'47"N, 123°18'12"W.
- c. 48°24'45"N, 123°16'00"W.
- d. 48°18'30"N, 123°13'28"W.
- e. 48°17'03"N, 123°14'48"W.
- f. 48°15'21"N, 123°23'15"W.

WQ (Race Rocks, B.C.) (Chartlet 2)

Bentinck Island Demolition Range—A circle with radius 1 mile centered on position 48°18'42"N, 123°32'36"W.

CYD102 (Esquimalt, B.C.)

Airspace associated with Sea Areas WA, WB, and WQ; Land Areas WK and WL.—Area enclosed by a line joining the following positions:

- a. 48°23'48"N, 123°18'30"W.
- b. 48°18'34"N, 123°13'40"W.
- c. 48°13'36"N, 123°31'48"W.
- d. 48°20'00"N, 123°34'30"W.
- e. 48°20'36"N, 123°31'34"W.
- f. 48°23'21"N, 123°28'36"W.
- g. 48°25'50"N, 123°26'45"W.
- h. 48°24'25"N, 123°23'15"W.

WH/CYD109 (Juan de Fuca Strait) (Chartlet 3)

Surface firing exercises—Area enclosed by a line joining the following positions:

- a. 48°22'00"N, 123°55'00"W.

- b. 48°16'51"N, 123°55'00"W.
- c. 48°17'54"N, 124°01'00"W.
- d. 48°22'30"N, 124°17'30"W.
- e. 48°28'18"N, 124°17'30"W.

(Can Annual Notice No. 35 of 2002; PUBS 006-03) 12/03

Page 36—Line 23/R; insert after:

New graphics (three) from back of this Subsection.

(Can Annual Notice No. 35 of 2002; PUBS 006-03) 12/03

Page 36—Lines 24 to 53/R; read:

Sea Areas—Strait of Georgia

Area SOG (Chartlet 4)

Sub-surface operations—An area bounded, as follows:

1. To the W—Vancouver Island.
2. To the N—50°10'N.
3. To the E—British Columbia mainland.
4. To the S—49°00'N..

WC (Haro Strait, B.C.) (Chartlet 5)

General subsurface operations and torpedo firing exercises—Area enclosed by a line joining the following positions:

- a. 48°35'25"N, 123°22'18"W.
- b. 48°35'25"N, 123°21'48"W.
- c. 48°31'57"N, 123°19'42"W.
- d. 48°31'57"N, 123°21'59"W.

WD (Saanich Inlet, B.C.) (Chartlet 6)

General surface and subsurface operations—Area enclosed by a line joining the following positions:

- a. 48°38'48"N, 123°30'45"W.
- b. 48°38'48"N, 123°29'15"W.
- c. 48°37'48"N, 123°29'15"W.
- d. 48°37'48"N, 123°30'45"W.

WE (Strait of Georgia, B.C.) (Chartlet 7)

General subsurface operations—Area enclosed by a line joining the following positions:

- a. 49°11'00"N, 123°24'00"W.
- b. 49°17'00"N, 123°43'00"W.
- c. 49°21'00"N, 123°38'00"W.
- d. 49°16'00"N, 123°20'00"W.

WF (Strait of Georgia, B.C.) (Chartlet 7)

General air, surface, and subsurface operations—Area enclosed by a line joining the following positions:

- a. 49°19'18"N, 123°43'30"W.
- b. 49°21'18"N, 124°08'00"W.
- c. 49°28'42"N, 124°08'00"W.
- d. 49°24'18"N, 123°43'30"W.

WG (Strait of Georgia, B.C.) (Chartlet 7)

General air, surface, and subsurface operations and torpedo firing exercises—Area enclosed by a line joining the following positions:

PUB 120 (Continued)

- a. 49°21'28"N, 124°09'30"W.
- b. 49°21'00"N, 123°48'24"W.
- c. 49°14'50"N, 123°48'24"W.
- d. 49°18'02"N, 124°09'30"W.

Active Area Coordinates of Sea Area WG

- a. 49°21'25"N, 124°07'45"W.
- b. 49°21'00"N, 123°48'24"W.
- c. 49°14'50"N, 123°48'24"W.
- d. 49°16'44"N, 124°00'48"W.
- e. 49°19'21"N, 124°07'45"W.

The portion of Sea Area WG enclosed by pecked lines, as shown in Chartlet 7, is an active area within which torpedo firings are conducted from 0700 to 1730 Monday to Saturday; during these times vessels will be required to clear the area on demand.

Sea Area WG constitutes a defense establishment as defined in the National Defense Act to which the Defense Controlled Access Area Regulations apply.

The following additional information is available:

- 1. VHF channel 21B (listen only).
- 2. Comox Coast Guard or Winchelsea Island Control on VHF channel 16 or Vancouver Traffic on VHF channel 11.

CYD107 (Strait of Georgia)

Airspace associated with Sea Area WG—Area enclosed by a line joining the following positions:

- a. 49°17'18"N, 124°05'00"W.
- b. 49°15'54"N, 123°56'00"W.
- c. 49°19'30"N, 123°51'00"W.
- d. 49°25'30"N, 124°12'00"W.
- e. 49°20'30"N, 124°12'00"W.

(Can Annual Notice No. 35 of 2002; PUBS 006-03) 12/03

Page 37—Lines 1/L to 23/R; read:

WN (Jervis Inlet, B.C.) (Chartlet 8)

General surface and subsurface operations—Area enclosed by a line joining the following positions:

- a. 49°50'06"N, 124°02'12"W.
- b. 49°48'21"N, 124°05'06"W.
- c. 49°47'51"N, 124°05'26"W.
- d. 49°46'40"N, 124°03'16"W.
- e. 49°46'41"N, 123°59'50"W.
- f. 49°46'54"N, 123°59'32"W.
- g. 49°47'22"N, 123°58'54"W.
- h. 49°48'30"N, 123°57'30"W.
- i. 49°49'23"N, 124°00'03"W.

WI/CYD124 (Texada Island, B.C.) (Chartlet 9)

Air and sub-surface exercises—Area enclosed by a line joining the following positions:

- a. 49°46'30"N, 124°50'00"W.
- b. 49°46'30"N, 124°40'00"W.
- c. 49°43'30"N, 124°40'00"W.
- d. 49°31'30"N, 124°16'00"W.
- e. 49°33'00"N, 124°28'00"W.

DIXON (Chartlet 10)

Subsurface operations—Area enclosed by a line joining the following positions:

- a. 54°25'N, 134°00'W.
- b. 54°25'N, 130°00'W.
- c. 54°00'N, 130°00'W.
- d. 54°00'N, 132°30'W.
- e. 54°30'N, 132°30'W.
- f. 54°30'N, 134°00'W.

HECATE (Chartlet 10)

Subsurface operations—Area enclosed by a line joining the following positions:

- a. 54°00'N, 130°00'W.
- b. 54°00'N, 132°30'W.
- c. 53°30'N, 132°30'W.
- d. 52°00'N, 131°00'W.
- e. 51°30'N, 130°00'W.
- f. 51°30'N, 127°20'W.

MORESBY (Chartlet 10)

Subsurface operations—Area enclosed by a line joining the following positions:

- a. 52°00'N, 132°30'W.
- b. 52°00'N, 131°00'W.
- c. 51°30'N, 130°00'W.
- d. 51°30'N, 129°20'W.
- e. 50°15'N, 129°20'W.
- f. 51°00'N, 130°00'W.

GRAHAM (Chartlet 10)

Subsurface operations—Area enclosed by a line joining the following positions:

- a. 53°30'N, 134°00'W.
- b. 53°30'N, 132°30'W.
- c. 52°00'N, 131°00'W.
- d. 52°00'N, 132°30'W.

Canadian Land Forces Exercise Areas**WK (William Head—Esquimalt, B.C.)**

Area enclosed by a line joining the following positions:

- a. 48°20'42"N, 123°32'42"W.
- b. 48°19'36"N, 123°21'54"W.
- c. 48°23'00"N, 123°22'42"W.
- d. 48°24'12"N, 123°26'45"W.

WL (Albert Head—Esquimalt, B.C.)

Area enclosed by a line joining the following positions:

- a. 48°23'21"N, 123°29'30"W to
- b. 48°23'33"N, 123°16'24"W.
- then along the arc of a circle centered on
- c. 48°23'06"N, 123°28'54"W to
- d. 48°15'12"N, 123°32'18"W to
- e. 48°18'53"N, 123°30'45"W to
- f. 48°22'00"N, 123°30'45"W.

then to point of commencement.

PUB 120 (Continued)**Vancouver Island—West Coast Firing Areas (WCFA)****WCFA North**

Area enclosed by a line joining the following positions:

- a. 49°30'00"N, 127°40'00"W.
- a. 49°15'00"N, 127°40'00"W.
- a. 49°15'00"N, 127°02'30"W.
- a. 49°24'36"N, 127°10'12"W.
- a. 49°27'42"N, 127°11'00"W.
- a. 49°30'00"N, 127°14'00"W.

WCFA South

Area enclosed by a line joining the following positions:

- a. 49°15'00"N, 127°40'00"W.
- a. 49°00'00"N, 127°40'00"W.
- a. 49°00'00"N, 127°00'00"W.
- a. 49°12'18"N, 127°00'00"W.
- a. 49°15'00"N, 127°02'30"W.

(Can Annual Notice No. 35 of 2002; PUBS 006-03) 12/03

Page 37—Graphic; replace with below:

New graphics (four) from back of this Subsection.

(Can Annual Notice No. 35 of 2002; PUBS 006-03) 12/03

Page 38—Graphic; replace with below:

New graphics (three) from back of this Subsection.

(Can Annual Notice No. 35 of 2002; PUBS 006-03) 12/03

Page 39 to Page 42—Graphics; strike out.

(Can Annual Notice No. 35 of 2002; PUBS 006-03) 12/03

Page 43—Lines 1/L to 8/R; strike out.

(Can Annual Notice No. 35 of 2002; PUBS 006-03) 12/03

PUB 140 2 Ed 2001 LAST NM 11/03

Page 59—Lines 16 to 17/R; read:

the VTS are to provide pilot service, deep sea pilotage, ice-breaker service, radar traffic control, and (presently under development) VTS service.

(BA NP 286(3)) 12/03

Page 59—Line 26/R; insert after:



(BA NM 8/03, Section VI) 12/03

PUB 161 8 Ed 2002 LAST NM 5/03

Page 32—Lines 8 to 11/L; read:

This channel has depths exceeding 18.3m and even though narrow, may be used by local traffic if the vessels do not exceed 10m in length, as it is the shorter route leading to the passage between the N of Tai Yue Shan and the mainland. Vessels greater than 10m in length can only proceed in a SE

direction, since Kap Shui Mun is designated a special area.
(BA NM 2/03) 12/03

PUB 162 5 Ed 2001 LAST NM 5/03

Page 140—Lines 34 to 36/R; read:

Pilotage.—Pilotage is compulsory for vessels of 100 grt or more. The pilot boarding area is approximately 4 miles NE of Legazpi
(BA NM 6/03) 12/03

PUB 172 9 Ed 2001 LAST NM 11/03

Page 10—Lines 7 to 55/L; read:

message must contain the following information:

1. Vessel type, nationality, and name.
2. Draft on day of transit.
3. Suez Canal Gross Tonnage and dwt.

Notice of cancellation or alteration of passage must be given at least 24 hours ahead or a fine will be levied. Vessels arriving without booking ahead will join the convoy if traffic in the canal allows or they may join the next convoy.

Information required in advance of arrival.—The following information should be sent to the SCA through "SUQ" preferably, or through the vessel's agent, at least 48 hours and 24 hours prior to arrival:

1. Type of vessel, nationality, and name (with former name, if any).
2. Suez Canal Gross Tonnage, dwt, draft, and beam.
3. Whether vessel intends to transit canal or stop in the harbors, including the duration of stay in harbor.
4. ETA Port Said (Southbound) or Port Suez (Northbound).
5. Quantity and IMO class of any dangerous cargo.

Information to be passed to the SCA on arrival.—The harbor office should be contacted on VHF when the vessel is:

1. About 15 miles from Fairway Lighted Buoy off Port Said (31°21.3'N., 32°20.7'E.)—Port Said Harbor Office on VHF channel 16.
2. About 5 miles from Separation Zone Lighted Buoy No. 1 in the Suez Bay approach (29°40'N., 32°32'E.)—Port of Suez Harbor Office on VHF channel 14.

The following information should be passed at that time:

1. Position (latitude and longitude).
2. Vessel's name.
3. Call sign.
4. Suez Canal Identification Number (SCID).
5. Suez Canal Gross Tonnage and dwt.
6. Draft.
7. Whether vessel is loaded or in ballast.
8. Nature of cargo.
9. Any defects affecting the safety of navigation.

In addition, vessels transiting the canal for the first time should state:

1. Date of building.
2. Whether Suez Canal Tonnage Certificate is held and, if so, its date of issue.
3. Call sign or SCID.
4. Length overall.
5. Beam.

PUB 172 (Continued)

6. Type of engines.
 7. Whether vessel intends to transit canal or only stop in the harbor.
- It has been reported (2003) that information concerning the location and condition of the vessel's anchors and the required searchlights (see paragraph 1.5), as well as the vessel's last port of call and next port of call, were requested.
- (BA NP 286(3); PUBS 007-03;
 BA NM 37/02, Section VI) 12/03

Page 131—Line 40/L; insert after:

Salalah Port Services Home Page
http://www.salalahport.com

(NIMA) 12/03

Page 131—Line 14/R; read:

A container quay, 1,228m long,
 (Fairplay, 2003-2004) 12/03

Page 169—Line 59/R; read:

Shinas. It has been reported (2003) that the first phase of the project, consisting of two tanker berths, with a total length of 850m and a depth alongside of 17m, has been completed.

(PUBS 004-03) 12/03

Page 187—Line 20/L; insert after:

Caution.—It has been reported (2003) that facilities for cruise ships, as well as for container and general cargo vessels, are under construction.

(PUBS 004-03) 12/03

Page 231—Line 30/L; read:

dust and haze that curtails visibility in the entire area and navigational aids may be obscured. It has been reported (2003) that visual and radar navigation do not provide acceptable accuracy until in the vicinity of Approach Lighted Buoy No. 14.

(PUBS 005-03) 12/03

Page 232—Line 13/L; read:

15.4m, sand and shells. It has been reported that ships using this anchorage
 (PUBS 005-03) 12/03

Page 250—Line 29/L; read:

should be used with caution. A recent survey suggests a controlling depth of 7.0m may be more appropriate. The deep center portion of the channel has a depth of about 9.0m, but is only 50 to 75m wide.

(NTM 044-02) 12/03

PUB 191 **9 Ed 2000** **LAST NM 9/03**
 Page 42—Line 43/L; read:
 (VTS) 2 hours before commencement of their passage.

Note.—A new IMO-adopted Traffic Separation Scheme (TSS), which will go into effect on 1 May 2003, has been established NW of Ile d'Ouessant (Ushant) and may best be seen on the chart.

The new TSS consists of the following:

1. An inshore traffic zone.
2. A two-way traffic route, 2 miles wide, centered 10.5 miles NW of Creac'h Point Light ($48^{\circ}28'N$, $5^{\circ}08'W$).
3. A northeastbound traffic lane, 5 miles wide, centered 26 miles NW of Creac'h Point Light.
4. A southwestbound traffic lane, 5 miles wide, centered 37 miles NW of Creac'h Point Light.

The above routes and traffic lanes are bordered by separation zones which may best be seen on the chart.

The two-way route may be used only by the following vessels:

1. Passenger ships operating on regular schedules to or from a Channel port situated W of the meridian $1^{\circ}W$.
 2. Vessels sailing between ports situated between Cape de la Hague ($49^{\circ}44'N$, $1^{\circ}56'W$) and Cape Finisterre ($42^{\circ}53'N$, $9^{\circ}16'W$), except for the following:
 - a. Vessels transporting oils as listed in Annex I, Appendix I, of the International Convention for the Prevention of Pollution from Ships (MARPOL 73/78).
 - b. Vessels carrying substances in bulk classed in categories A and B listed in Annex II, Appendices I and II, of the International Convention for the Prevention of Pollution from Ships (MARPOL 73/78).
- (BA NP 286) 12/03

COAST PILOT CORRECTIONS

COAST PILOT 3 **35 Ed 2002** **Change No. 25**
LAST NM 10/03

Page 186—Paragraph 100; read:

Newport News Middle Ground Light ($36^{\circ}56'43''N$, $76^{\circ}23'29''W$), 52 feet above the water, is shown from a red conical tower on a red cylindrical pier in 15 feet of water near the western end of the shoal.

(48/02 CG5; LL/02) 12/03

Page 218—Paragraph 176, line 5; read:

water; use of the pier is restricted ...
 (49/02 CG5; LL/02) 12/03

Page 224—Paragraph 76, lines 4 to 6; read:

at the head of the south fork. In July 2002, the reported controlling depth was 6.1 feet to the anchorage basin; thence in 1999, 4.9 feet in the channel in south fork. Depths of 4.5 to 5 feet were in the anchorage basin.

(CL 1904/02; BPs 175829-30) 12/03

COAST PILOT 3 (Continued)

Page 261—Paragraph 121, lines 6 to 8; read:

(chart 12278) had a controlling depth of 23 feet in 1983. In July 2002, the westerly channel had a reported midchannel depth of 36 feet.

(CL 2186/02)

12/03

(16) Name of the vessel's charterer.

(FR 08/19/02)

12/03

**COAST PILOT 4 34 Ed 2002 Change No. 2
LAST NM 51/02**

Page 15—Paragraph 398, line 3 to Paragraph 399, line 3; read:

bathymetric map are referred. The tidal datum of **Mean Lower Low Water** has been used as Chart Datum along the east, west and Gulf coasts, including the coasts of Alaska, Hawaii, the West Indies and other United States and United Nations islands of the Pacific.

Mean Lower Low Water is defined as the arithmetic mean

...

(CL 68/03; NOS/03)

12/03

Page 78—Paragraphs 1275 to 1276; read:

\$117.829 Northeast Cape Fear River.

(a) The draw of the Isabel S. Holmes Bridge, at mile 1.0, at Wilmington, North Carolina will operate as follows:

(1) The draw will be closed to pleasure craft from 6 a.m. to 6 p.m. every day except at 10 a.m. and 2 p.m. when the draw will open for all waiting vessels.

(2) The draw will open on signal for Government and commercial vessels at all times.

(3) The draw will open for all vessels on signal from 6 p.m. to 6 a.m.

(b) The draw of the Seaboard System Railroad Bridge across the Northeast Cape Fear River, mile 27.0, at Castle Hayne, North Carolina shall open on signal if at least 4 hours notice is given.

(CL 2324/02; FR 11/25/02)

12/03

Page 83—Paragraph 1459, line 2; read:

elemental when carried in bulk.

Charterer means the person or organization that contracts for the majority of the carrying capacity of a ship for the transportation of cargo to a stated port for a specified period. This includes "time charterers" and "voyage charterers".

(FR 08/19/02)

12/03

Page 83—Paragraph 1469, line 4; read:

country and that is not engaged in commercial service.

Time charterer means the party who hires a vessel for a specific amount of time. The owner and his crew manage the vessel, but the charterer selects the ports of destination.

Voyage charterer means the party who hires a vessel for a single voyage. The owner and his crew manage the vessel, but the charterer selects the ports of destination.

(FR 08/19/02)

12/03

Page 84—Paragraph 1509; read:

(iv) Passport number; and

Page 136—Paragraph 3198; read:

(ix) *Gulf red snapper*. For a person aboard a vessel for which a commercial vessel permit for Gulf reef fish has been issued to retain red snapper under the trip limits specified in §622.44(d)(1) or (2), a Class 1 or Class 2 Gulf red snapper license must have been issued to the vessel and must be on board. See paragraph (p) of this section regarding initial issue of red snapper licenses.

(x) *South Atlantic golden crab*. For a person aboard a vessel to fish for golden crab in the South Atlantic EEZ, possess golden crab in or from the South Atlantic EEZ, off-load golden crab from the South Atlantic EEZ, or sell golden crab in or from the South Atlantic EEZ, a commercial vessel permit for golden crab must be issued to the vessel and must be on board. It is a rebuttable presumption that a golden crab on board a vessel in the South Atlantic or off-loaded from a vessel in a port adjoining the South Atlantic was harvested from the South Atlantic EEZ. See §622.17 for limitations on the use, transfer, and renewal of a commercial vessel permit for golden crab.

(xi) *Gulf Shrimp*. For a person aboard a vessel to fish for shrimp in the Gulf EEZ or possess shrimp in or from the Gulf EEZ, a valid commercial vessel permit for Gulf shrimp must have been issued to the vessel and must be on board.

(50 CFR 622.4; FR 08/07/02)

12/03

Page 143—Paragraph 3359, lines 2 to 4; read:

number. A vessel for which a permit has been issued under §622.4 must display its official number—

(FR 08/07/02)

12/03

Page 153—Paragraph 3591, line 5; read:

evidence of violation of this section.

(k) *Traps for royal red shrimp in the Gulf EEZ and transfer at sea*. A trap may not be used to fish for royal red shrimp in the Gulf EEZ. Possession of a trap and royal red shrimp on board a vessel is prohibited. A trap used to fish for royal red shrimp in the Gulf EEZ may be disposed of in any appropriate manner by the Assistant Administration or an authorized officer. In addition, royal red shrimp cannot be transferred in the Gulf EEZ, and royal red shrimp taken in the Gulf EEZ cannot be transferred at sea regardless of where the transfer takes place.

(FR 08/07/02)

12/03

Page 206—Paragraph 165; read:

A fixed highway bridge across Croatan Sound about 2.75 miles southward of the U.S. Routes 64/264 fixed highway bridge has a clearance 66 feet.

(01/03 CG5; CL 2315/02)

12/03

Page 255—Paragraph 94, lines 1 to 2; read:

Prominent features.—Tybee Light ($32^{\circ}01'20''\text{N}$, $80^{\circ}50'44''\text{W}$), 144 feet above the water, is shown from an octagonal ...

(03/03 CG7; LL/02)

12/03

SECTION II

NM 12/03

COAST PILOT 4 (Continued)

Page 356—Paragraph 28; read:

Distances Between United States Ports (available on the internet only at <http://chartmaker.ncd.noaa.gov/nsd/ports.html>.)
 (01/03 CG7) 12/03

Page T-19; Bottom two lines under the table should read:

Statute miles on top (upright text)
Nautical miles on the bottom (shaded, slant text)
 (NOS/03) 12/03

Page T-20; Bottom two lines under the table should read:

Statute miles on top (upright text)
Nautical miles on the bottom (shaded, slant text)
 (NOS/03) 12/03

**COAST PILOT 5 30 Ed 2003 Change No. 5
LAST NM 10/03**

Page 231—Paragraph 92, lines 6 to 10; read:
 small craft inside the pier head. In April 2002, 20 feet was reported in the approach channel and 8 feet was reported alongside the berths. Gasoline, diesel fuel, water, ice, electricity, pump-out, and marine supplies are available.
 (CL 1208/02) 12/03

Page 253—Paragraph 141, lines 5 to 10; read:

entrance to the creek was closed to navigation. In 1999, the reported depth inside the creek was 6 feet. U.S. Route 98 highway bridge, on the E branch of the creek about 0.3 mile above the entrance, has a fixed span with a reported clearance of 13 feet. Two marinas are on the E branch above the bridge. Berths with electricity, gasoline, diesel fuel, water, ice, pump-out, and marine supplies are ...
 (CL 1933/99) 12/03

Page 258—Paragraph 224, lines 9 to 12; read:

Berths, electricity, gasoline, diesel fuel, water, ice, and pump-out are available; lift to 35-tons for hull, engine, and radio repairs, or open and covered storage. In March 2002, 8 feet was ...
 (CL 806/02) 12/03

Page 386—Paragraph 70, lines 8 to 11; read:

depth of 4 feet in September 2002, leads to the facilities. A boatyard has an 80-ton marine lift for hull, engine, and radio repairs.
 (NOS 11425; CL 496/01) 12/03

Page 387—Paragraph 79, lines 4 to 5; read:

turning basin at the marina. In March 2002, 8 feet was reported in the approach and in the ...
 (CL 1207/02) 12/03

Page 388—Paragraph 91, lines 11 to 15; read:

April 2002, the reported approach depth was 7 feet to the marina. Berths with electricity and pump-out station are

available.
 (CL 1448/02) 12/03

Page 388—Paragraph 93, lines 2 to 7; read:
 Island. A privately marked channel, with a depth of 5 feet was reported in April 2002, leads to a marina and boatyard W of **Mile 90.0** where berths, electricity, gasoline, water, ice, and marine supplies are available. A marine railway that can handle vessels to 40 feet and a 10-ton lift are available.
 (CL 1446/02) 12/03

Page 401—Paragraph 381, line 12; read:
 the NW. (See Chapter 10.) An alternate route for vessels transiting between the Intracoastal Waterway and the Houston Ship Channel is marked from Bolivar Peninsula Buoy 20 to Houston Ship Channel Light 28. The direction of traffic movement is not regulated. However, in order to reduce congestion, Houston Traffic requests that this route be used for northbound-only traffic. Southbound traffic is requested to proceed south to Houston Ship Channel Lighted Buoy 26, and then turn east to Bolivar Point. Houston Traffic also requests that all vessels proceeding northbound in the alternate route conduct a securite broadcast of their intentions prior to entering into the Houston Ship Channel. The channel to Texas City is crossed at ...
 (CL 2004/02; CL 1999/02; NOS 11326; LL/02) 12/03

Page 452—Paragraphs 2 to 5; read:

Federal Aviation Administration
 National Aeronautical Charting Office
 Distribution Division (AVN-530)
 6303 Ivy Lane, Suite 400
 Greenbelt, MD 20770-6325.
 (CL 1685/02) 12/03

Page 452—Paragraph 6, lines 7 to 12; read:

301-436-8301 or toll-free 1-800-638-8972 (Visa, Mastercard or Discover accepted); or by FAX, 301-436-6829 or by Email: 9-AMC-Chartsales@faa.gov. Sales information is located on the internet website ...
 (CL 1685/02) 12/03

COAST PILOT 5 30 Ed 2003 Change No. 6

Page 15—Paragraph 399, line 3 to Paragraph 400, line 3; read:

bathymetric map are referred. The tidal datum of **Mean Lower Low Water** has been used as Chart Datum along the east, west and Gulf coasts, including the coast of Alaska, Hawaii, the West Indies and other United States and United Nations islands of the Pacific.

Mean Lower Low Water is defined as the arithmetic mean of all ...
 (CL 68/03) 12/03

COAST PILOT 5 (Continued)

Page 76—Paragraph 1125, line 4; read:
 Federal holidays from 6:30 a.m. to 8:30 a.m. and from 4:30 p.m. to 6 p.m.
 (CL 318/03) 12/03

Page 76—Paragraph 1131; read:
 The draw of the SR661 bridge across the Houma Navigation Canal, mile 36.0, at Houma, shall open on signal; except that, the draw need not open for the passage of vessels Monday through Friday except Federal holidays from 6:30 a.m. to 8:30 a.m. and from 4:30 p.m. to 6 p.m.
 (CL 319/03) 12/03

Page 115—Paragraph 2490, line 5; read:
 broadcast Notice to Mariners.

§165.757 Safety Zones; Ports of Ponce, Tallaboa, and Guayanilla, Puerto Rico and Limetree Bay, St. Croix, U.S.V.I.

(a) *Location.* The following areas are established as a safety zones during the specified conditions:

(1) *Port of Ponce, Puerto Rico.* A 100-yard radius surrounding all Liquefied Hazardous Gas (LHG) vessels with product aboard while transiting north of Latitude 17 57.0'N in the waters of the Caribbean Sea on approach to or departing from the Port of Ponce, Puerto Rico (NAD 83). The safety zone remains in effect until the LHG vessel is docked.

(2) *Port of Tallaboa, Puerto Rico.* A 100-yard radius surrounding all Liquefied Hazardous Gas (LHG) vessels with product aboard while transiting north of Latitude 17 56.0'N in the waters of the Caribbean Sea on approach to or departing from the Port of Tallaboa, Puerto Rico (NAD 83). The safety zone remains in effect until the LHG vessel is docked.

(3) *Port of Guayanilla, Puerto Rico.* A 100-yard radius surrounding all Liquefied Hazardous Gas (LHG) vessels around with product aboard while transiting north of Latitude 17°57.0'N in the waters of the Caribbean Sea on approach to or departing from the Port of Guayanilla, Puerto Rico (NAD 83). The safety zone remains in effect until the LHG vessel is docked.

(4) *Port of Limetree Bay, St. Croix, U.S.V.I.* A 100-yard radius surrounding all Liquefied Hazardous Gas (LHG) vessels with product aboard while transiting north of Latitude 17°39.0'N in the waters of the Caribbean Sea on approach to or departing from the Port of Limetree Bay, U.S.V.I. (NAD 83). The safety zone remains in effect until the LHG vessel is docked.

(b) *Regulations.* In accordance with the general regulations in §165.23 of this part, anchoring, mooring or transiting in these zones is prohibited unless authorized by the Coast Guard Captain of the Port. The Marine Safety Office San Juan will notify the maritime community of periods during which these safety zones will be in effect by providing advance notice of scheduled arrivals and departures on LHG carriers via a broadcast notice to mariners on VHF Marine

Band Radio, Channel 16 (156.8 MHz).

§165.758 Security Zone; San Juan, Puerto Rico.

(a) *Location.* Moving and fixed security zones are established 50 yards around all cruise ships entering, departing, moored or anchored in the Port of San Juan, Puerto Rico. The security zone for a cruise ship entering port is activated when the vessel is one mile north of Buoy 3, at approximate position 18°28'17"N., 66°07'37.5"W. The security zone for a vessel is deactivated when the vessel passes this buoy on its departure from the port.

(b) *Regulations.* (1) Under general regulations in §165.33 of this part, entering, anchoring, mooring or transiting in these zones is prohibited unless authorized by the Coast Guard Captain of the Port of San Juan.

(2) Persons desiring to transit the area of the security zone may contact the Captain of the Port at the Greater Antilles Section Operations Center at 787-289-2041 or via VHF radio on Channel 16 to seek permission to transit the area. If permission is granted, all persons and vessels must comply with the instructions of the Captain of the Port or his designated representative.

(3) The Marine Safety Office San Juan will attempt to notify the maritime community of periods during which these security zones will be in effect by providing advance notice of scheduled arrivals and departures of cruise ships via a broadcast notice to mariners.

(c) *Definition.* As used in this section, *cruise ship* means a passenger vessel greater than 100 feet in length that is authorized to carry more than 150 passengers for hire, except for a ferry.

(d) *Authority.* In addition to 33 U.S.C. 1231 and 50 U.S.C. 191, the authority for this section includes 33 U.S.C. 1226.

(FR 09/27/02; CL 97/03; FR 12/16/02) 12/03

Page 324—Paragraph 179, line 1; read:

Oyster Bayou Light (29°12'54"N., 91°07'43"W.), 30 feet

... (02/03 CG8; LL/02) 12/03

Page 373—Paragraph 141, lines 5 to 6; read:

of the key. The N channel had a reported depth of 1 foot in May 2002. A hump-backed highway bridge crossing the channel from ...

(CL 299/03) 12/03

Page 384—Paragraph 17; strike out.

(CL 1642/02) 12/03

Page 452—Paragraph 28; read:

Distances Between United States Ports (available on the internet only at <http://chartmaker.ncd.noaa.gov/nsd/ports.html>)

(01/03 CG7) 12/03

COAST PILOT 5**30 Ed 2003****Change No. 7**

Page 262—Paragraph 292, lines 2 to 4; read:

arm of East Bay. In August 2002, the controlling depth was 7.0 feet (7.5 feet at midchannel) through the bay to Daybeacon 38; thence in June 2001, 4.5 feet (9 feet at midchannel) in the ...

(CL 1857/02)

12/03

Page 266—Paragraph 45, line 2; read:

Bay entrance, had depths of 5.6 to 11.7 feet in October 2002,
Oyster ...

(CL 146/03)

12/03

Page 285—Paragraph 365, lines 3 to 4; read:

pass is bounded by low, marshy shores. In August 2002, the
controlling depth was 11.2 feet. The entrance from Lake
Borgne is 8 ...

(CL 146/03)

12/03

Page 290—Paragraph 434, line 15 to Paragraph 435; read:

launching ramps are available.

New Orleans Coast Guard Station is close W of the
Municipal Yacht Harbor on Lake Pontchartrain.

Lights mark the entrance to the harbor. **New Canal Light**
(30°01'36"N., 90°06'48"W.), 52 feet above the water, is
shown from a white square tower atop a square dwelling
with a red roof on the S side of the entrance; a fog signal is at
the light.

(CL 1856/02; LL/02; NOS 11369)

12/03

Page 455—Paragraph 170; read:

New Orleans (30°01.2'N., 90°07.3'W.). Close W of the
Municipal Yacht Harbor, on Lake Pontchartrain.

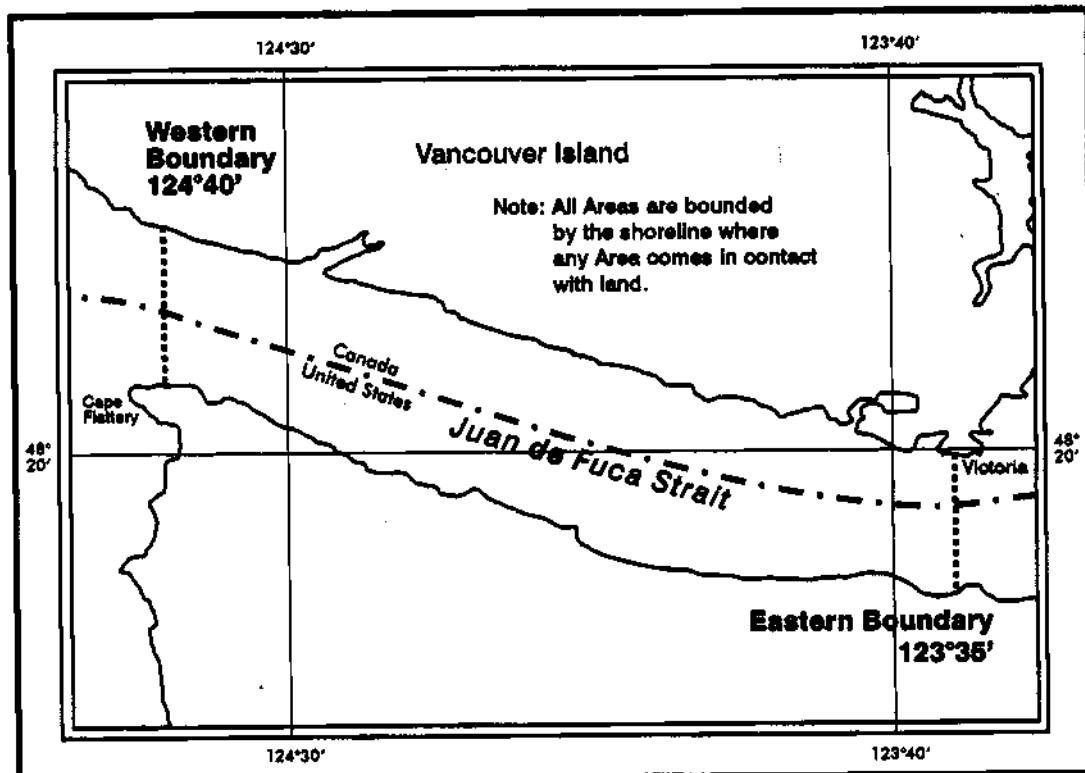
(CL 1856/02; NOS 11369)

12/03

SECTION II

NM 12/03

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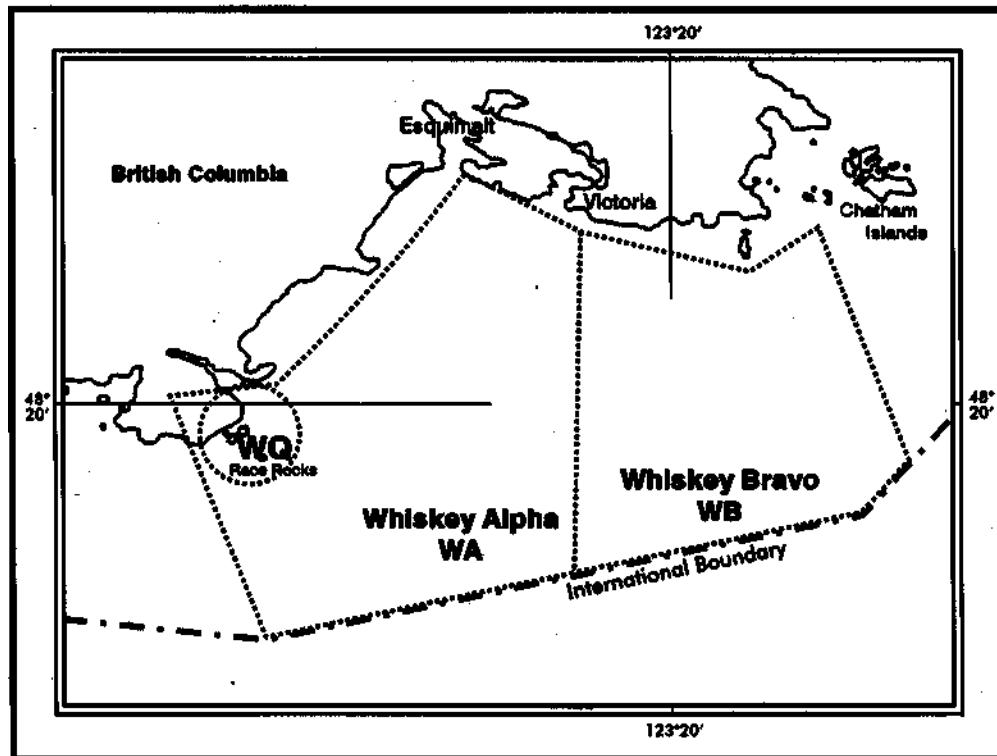


PUB 120

SECTION II

NM 12/03

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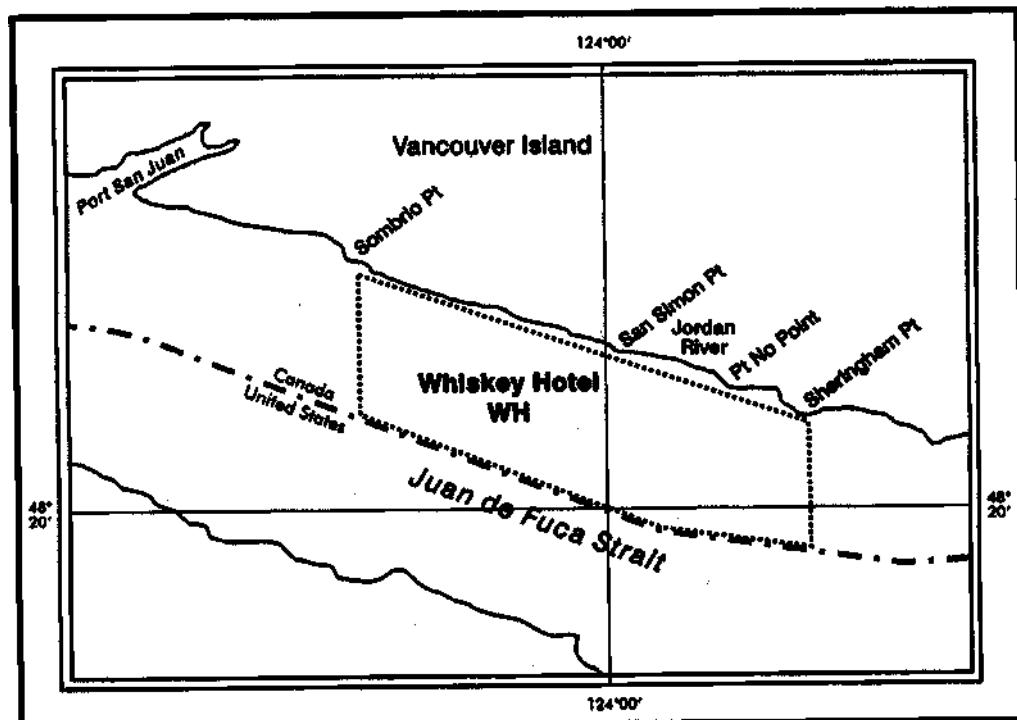


PUB 120

SECTION II

NM 12/03

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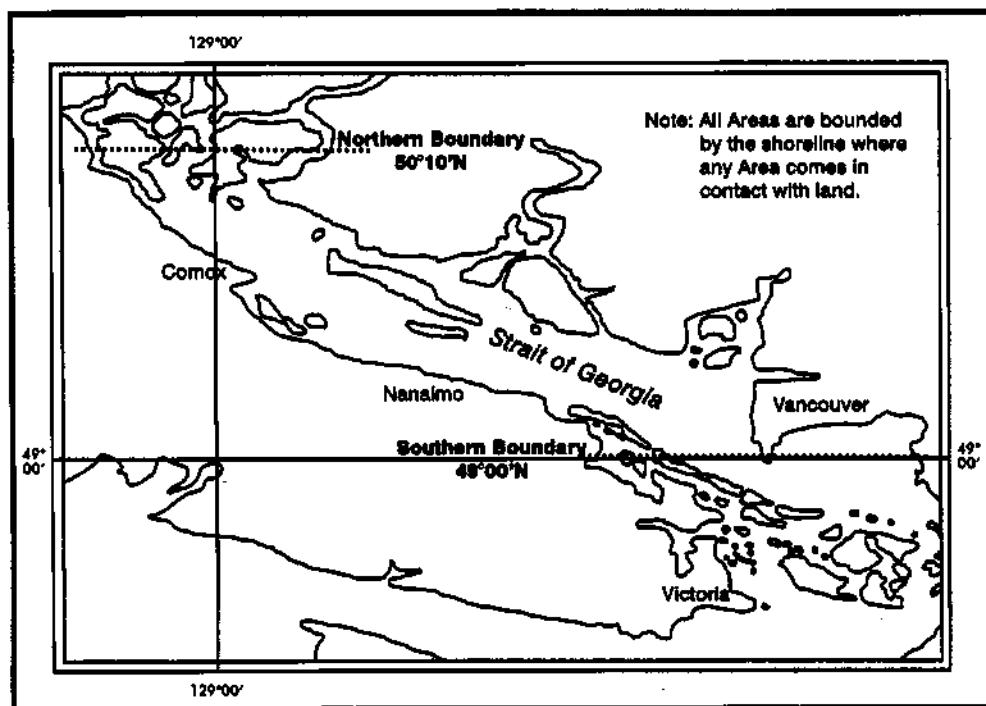


PUB 120

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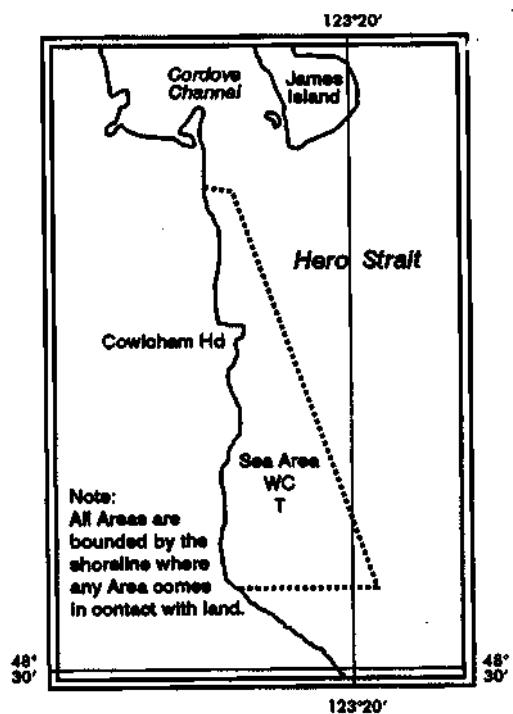


PUB 120

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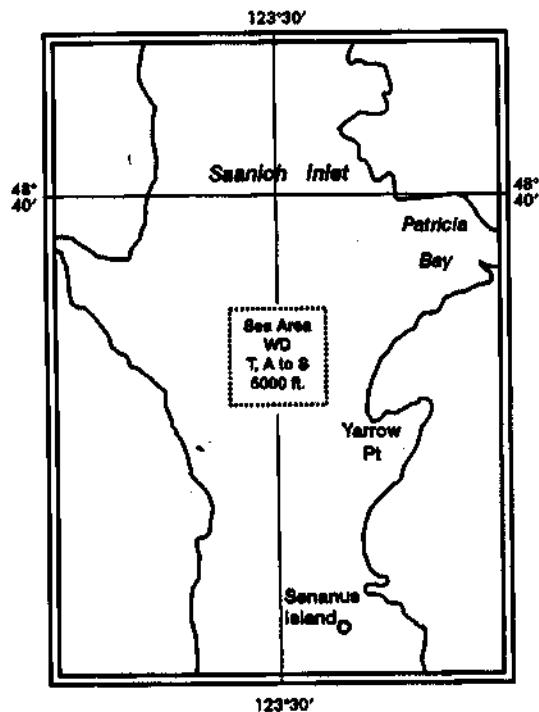


PUB 120

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NM 12/03

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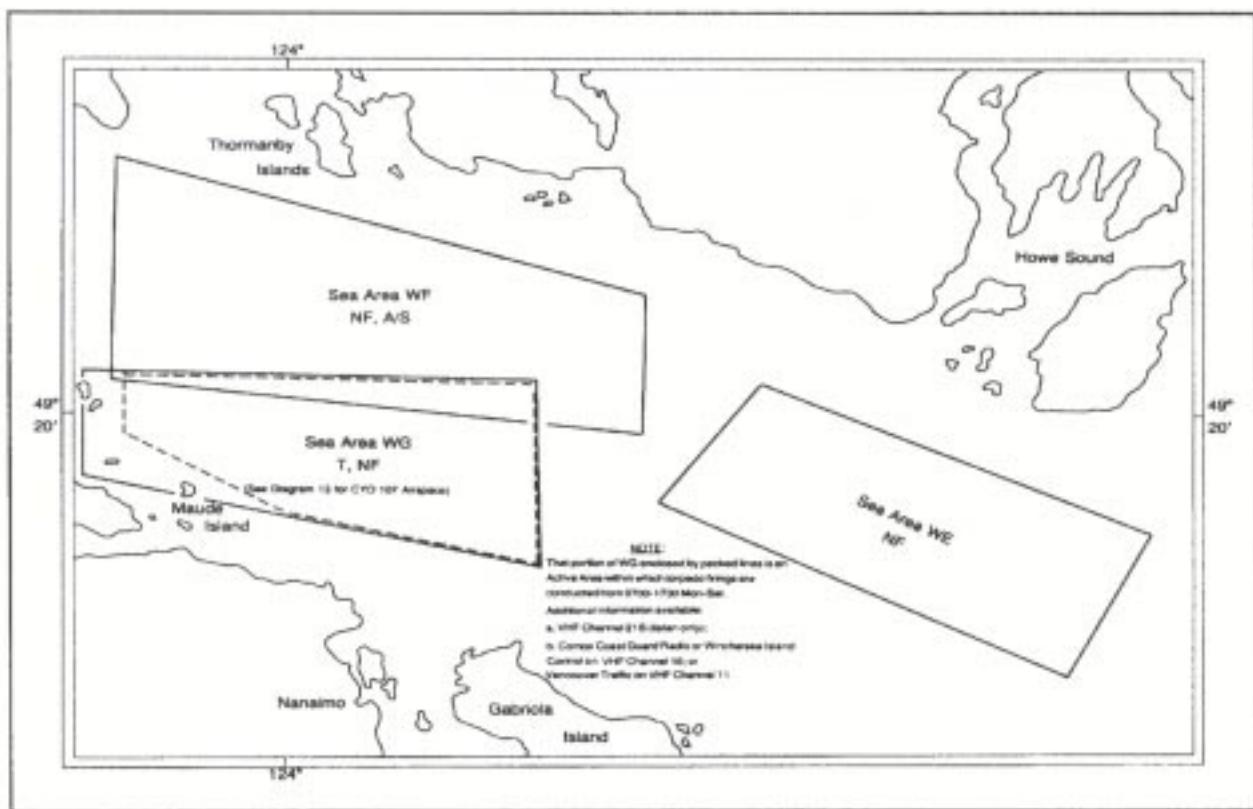


PUB 120

SECTION II

NM 12/03

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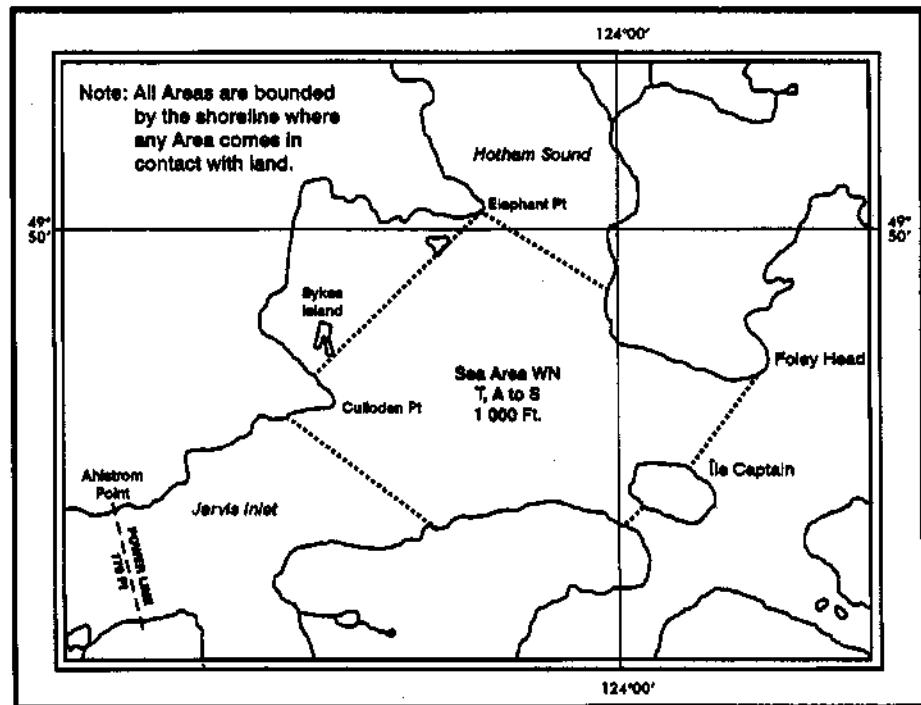


PUB 120

SECTION II

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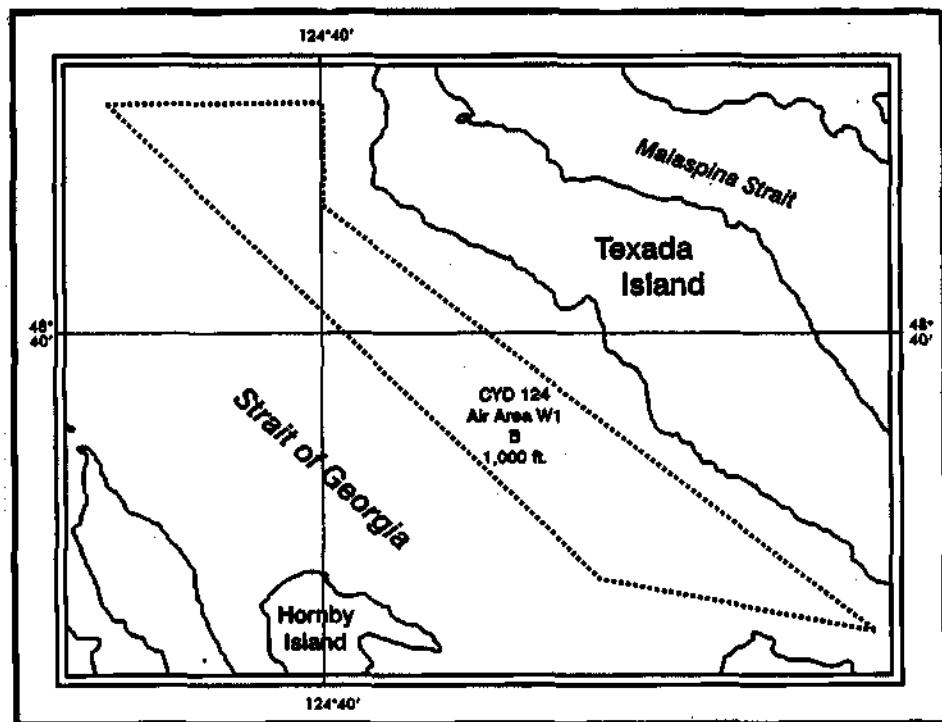


PUB 120

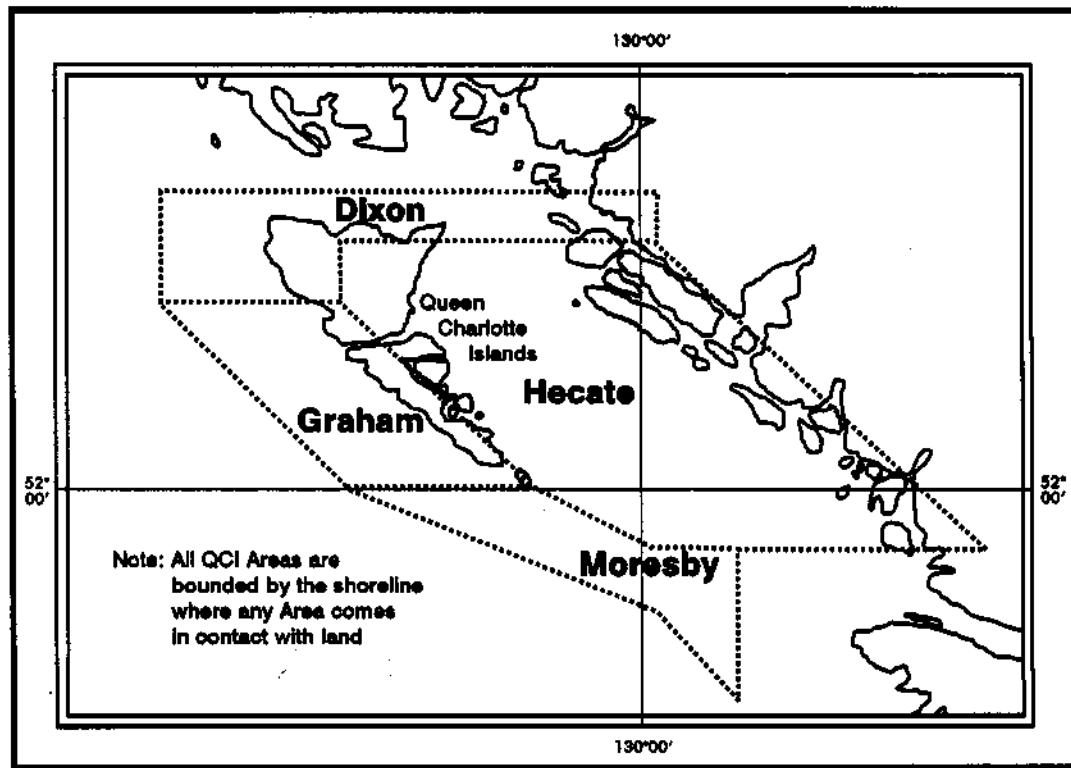
SECTION II

NM 12/03

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PUB 120



PUB 120

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME I LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
Cheesequake Creek							
36415	- LIGHT 1	40 27 55 N 74 15 23 W	Fl G 4s	26	4	SG on skeleton tower.	
		*					12/03
36420	- LIGHT 2	40 27 56 N 74 15 26 W	Fl R 4s	28	5	TR on skeleton tower.	Higher intensity beam toward Red Bank Reach.
		*					12/03

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
Swash							
18925	- Daybeacon 1	38 19 16 N 76 26 06 W				SG on pile.	
		*					12/03
Back Creek							
19010	- LIGHT 2	38 19 19 N 76 27 18 W	Fl R 4s	15	3	TR on pile.	
		*					12/03
19160	ISLAND CREEK LIGHT 2		Fl R 4s	15	4	TR on multi-pile structure.	
					*		12/03
Rhode River							
19515	- ENTRANCE LIGHT 2	38 52 00 N 76 30 47 W	Fl R 4s	15	3	TR on multi-pile structure.	
		*					12/03
19590	- SOUTH BASIN LIGHT 2	38 54 11 N 76 30 24 W	Fl R 4s	15	4	TR on pile.	
		*					12/03

SEVERN AND MAGOTHY RIVERS (Chart 12282)

Severn River

Annapolis Harbor (Main Channel)

19690	CHANNEL LIGHT 1AH	35 56 01 N 76 26 10 W	Fl G 4s	15	4	SG on multi-pile structure.	
		*			*		12/03
19705	- CHANNEL LIGHT 4		Fl R 6s	15	7	TR on multi-pile structure.	
					*		12/03
19765	Spa Creek Channel Junction Buoy SC					Green and red bands; can.	
		*					12/03

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
19790	Naval Station Ramp Obstruction Daybeacon	38 58 52 N 76 27 55 W				NW on pile worded DANGER ROCK.	
							12/03
19940	- Daybeacon 1S	38 59 47 N 76 29 27 W				SG on pile.	
		*	*				12/03
19950	- LIGHT 2A	39 01 08 N 76 31 12 W	Q R	15	4	TR on pile.	Light equipment removed from Dec. 1 to Mar. 15.
							12/03
Grays Creek							
20135	- Entrance Daybeacon 2	39 05 12 N 76 27 42 W				TR on pile.	
							12/03
Rock Creek							
20370	WHITE ROCKS LIGHT	39 10 24 N 76 29 17 W	Fl W 4s	19	7	Black house on concrete foundation.	
		*					12/03
20375	- ENTRANCE LIGHT 2		Fl R 4s	15	3	TR on multi-pile structure.	
					*		12/03
20415	- LIGHT 5		Fl G 4s	15	4	SG on multi-pile structure.	
					*		12/03
Jones Creek							
20505	- LIGHT 1 Off end of shoal.	39 12 53 N 76 27 08 W	Fl G 2.5s	15	4	SG on pile.	Light equipment removed when when endangered by ice.
		*					12/03
20690	LONG POINT LIGHT 5	39 14 41 N 76 32 35 W	Fl G 4s	15	4	SG on pile.	
		*					12/03
20700	SPARROWS POINT COUNTRY CLUB PIER LIGHT	39 15 24 N 76 28 42 W	F Y			On post at pier corner.	Private aid.
							*
							12/03
CHESAPEAKE BAY ENTRANCE (Chart 12221)							
North Channel							
21365	- Entrance Buoy 2	37 01 20 N 75 54 07 W				Red nun.	
		*					12/03
26790	- CHANNEL LIGHT 34		Fl R 4s	15	3	TR on pile.	
					*		12/03

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME II LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
26810	- CHANNEL LIGHT 39		Fl G 4s	15	4	SG on pile.	
				*			12/03
26820	- CHANNEL LIGHT 41		Fl G 4s	15	4	SG on pile.	
				*			12/03
27145	WILSON POINT JUNCTION LIGHT		Fl (2+1) R 6s	15	4	JR on pile.	
		*		*			12/03
30410	SOUTHPORT CHANNEL RANGE REAR LIGHT 1,426 yards, 319.5° from front light.		Iso R 6s	42		KRW and SG-SY on multi-pile structure.	Visible all around; higher intensity on rangeline.
*	*					*	
							12/03
Cape Fear River - Little River							
40040	- Daybeacon 3	33 54 58 N					
30410	35 feet outside channel limit.	78 01 56 W					SG-SY on multi-pile. On same structure as Southport Channel Range Rear Light.
*		*				*	
							12/03
Lockwoods Folly River							
40135	- Daybeacon 1	33 55 29 N					
		78 12 58 W					SG on pile.
						*	
							12/03

CORRECTIONS TO C. G. LIGHT LIST, VOLUME III ATLANTIC AND GULF COAST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
6205	CEDAR HAMMOCK OUTBOUND FRONT RANGE LIGHT	31 06 38 N 81 25 23 W	Q W	15		KRW on dolphin.	
		*					12/03
6465	OBSTRUCTION LIGHTS SOUTH	30 43 00 N 81 18 04 W	Fl W 2.5S	47			Obstruction lights on NW and SE corners. HORN: Mo U (--) ev 30 sec. Sound signal operates continuously.
*	*	*	*	*	*	*	
							12/03
6470	OBSTRUCTION LIGHTS NORTH	30 43 33 N 81 19 41 W	Fl W 4s	51			Obstruction lights located on NW and SE corners. HORN: Mo U (--) ev 30 sec. Sound signal operates continuously.
*	*	*	*	*	*	*	
							12/03
6515	- Lighted Buoy 9						Remove from list.
						*	
							12/03

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
 Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
460 12630	Southwest Pass Entrance RACON	28 50 00 N 89 27 12 W		73		On Texaco Platform A.	RACON: T (-).
		*					12/03
	Southwest Pass						
12630 460	- Entrance RACON	28 50 00 N 89 27 12 W		73		On Texaco Platform A.	RACON: T (-).
		*					12/03
15035	- Daybeacon 26	29 09 24 N 89 23 24 W				TR on pile.	Ra ref.
						*	12/03
23130	- LIGHT 61	29 32 24 N 94 54 10 W	Fl G 2.5s	17	4	SG on pile.	
		*					12/03
23135	- LIGHT 62	29 32 29 N 94 54 02 W	Fl R 2.5s	17	4	TR on pile.	Ra ref.
		*					12/03
	*Add Heading: *South Boater Cut						
*23136	- LIGHT 1 50 feet outside channel limit.	29 32 35 N 94 53 12 W	Fl G 4s	17	3	SG on pile.	Ra ref.
							12/03
*23136.3	- Daybeacon 3 50 feet outside channel limit.					SG on pile.	Ra ref.
							12/03
*23136.4	- Daybeacon 4 50 feet outside channel limit.					TR on pile.	Ra ref.
							12/03
*23136.5	- Daybeacon 5 50 feet outside channel limit.	29 32 24 N 94 54 39 W				SG on pile.	Ra ref.
							12/03
*23136.6	- Daybeacon 6 50 feet outside channel limit.					TR on pile.	Ra ref.
							12/03
*23136.8	- LIGHT 8 50 feet outside channel limit.	29 32 25 N 94 55 05 W	Fl R 4s	15	3	TR on pile.	Ra ref.
							12/03
	*Add Heading: *Houston Ship Channel						
23145	- LIGHT 63 120 feet outside channel limit.		Fl G 4s	17	4	SG on pile.	
							12/03

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME IV LIGHT LIST, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
24055	BAYTOWN BEND RANGE FRONT LIGHT	29 43 54 N 95 01 52 W	Q R	24		KRW on skeleton tower on piles.	For upbound traffic. Visible 2° each side of rangeline.
		*					12/03
24060	BAYTOWN BEND RANGE REAR LIGHT 180 yards, 308° from front light.		Iso R 6s	45		KRW on skeleton tower on piles.	Visible 2° each side of rangeline.
		*					12/03
24250	UPPER CROSSOVER OUTBOUND RANGE FRONT LIGHT	29 44 57 N 95 03 44 W	Q R	30		KRW on skeleton tower on piles.	For downbound traffic. Visible 2° each side of rangeline.
		*					12/03
27055	- LIGHT 11		Fl G 4s	22	5	SG on skeleton tower on piles.	
				*	*		12/03

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
1860	San Diego-Coronado Bay Bridge Fog Signal	32 41 26 N 117 09 09 W				Bridge pier.	Private aid. HORN (2): 1 blast ev 10s (1s bl). Simultaneously.
		*					12/03
2300	- Junction Buoy					Green and red bands; can.	
		*					12/03
3108	- Lighted Buoy 5	33 41 50 N 118 14 40 W	Fl G 2.5s		4	Green.	
		*					12/03
3109	- Lighted Buoy 6	33 41 55 N 118 14 27 W	Fl R 4s		4	Red.	
		*					12/03
6100	- LIGHT 3	38 04 25 N 122 14 46 W	Q G	25	4	SG on pile.	
		*					12/03
6145	- LIGHT 3	38 08 29 N 122 17 01 W	Fl G 4s	19	3	SG on pile structure.	
		*					12/03
6160	- LIGHT 7	38 10 34 N 122 17 42 W	Fl G 4s	15	3	SG on pile structure.	
		*					12/03
6165	- LIGHT 8	38 10 51 N 122 17 57 W	Fl R 4s	15	3	TR on pile.	
		*					12/03

Note: Asterisks (*) indicate that column(s) in which a correction has been made or new information added.
Denotes a new entry when preceding the station number.

SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
6170	- LIGHT 9	38 10 50 N 122 18 22 W	Fl G 2.5s	15	4	SG on pile.	
		*					12/03
6180	- LIGHT 13	38 11 33 N 122 18 51 W	Fl G 4s	15	3	SG on pile.	
		*					12/03
6185	- RANGE FRONT LIGHT 14	38 12 20 N 122 18 26 W	Q W	12		KRW and TR on pile.	Ra ref.
		*					12/03
6195	- LIGHT 15	38 13 25 N 122 18 34 W	Fl G 4s	15	3	SG on pile.	
		*					12/03
6205	- LIGHT 18	38 14 47 N 122 17 03 W	Fl R 4s	15	3	TR and white platform on pile structure.	
		*					12/03
12520	- LIGHT 27	45 49 01 N 119 59 46 W	Fl G 2.5s	29	4	SG on skeleton tower.	
		*					12/03
12665	IRRIGON LOWER RANGE FRONT LIGHT 60	45 54 09 N 119 30 50 W	Q R	34		KRW on skeleton tower, TR oriented upstream. 17	Visible all around; higher intensity on rangeline.
		*					12/03
12875	- LIGHT 7	45 56 44 N 119 06 27 W	Fl G 6s	34	4	SG on tower.	
		*					12/03
LAKE SACAJAWEA (Chart 18545)							
Snake River							
Mileage from mouth of Snake River in statute miles.							
13105	MILE 1 RANGE FRONT LIGHT	46 12 19 N 119 02 09 W	Q W	26		KRB on tower.	Visible 14° each side of rangeline.
		*					12/03
13535	- LIGHT 10	46 35 45 N 118 27 59 W	Fl R 2.5s	16	4	TR on skeleton tower.	
		*			*		12/03
13540	- LIGHT 11	46 36 03 N 118 27 49 W	Fl G 2.5s	16	4	SG on platform.	Higher intensity beam up channel.
		*			*		12/03
13555	- LIGHT 16	46 34 39 N 118 23 33 W	Fl R 2.5s	12	4	TR on platform.	
		*			*		12/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
13560	- LIGHT 17	46 35 02 N 118 23 31 W	Fl G 2.5s	24	4	SG on skeleton tower.	
		*					12/03
13570	- LIGHT 19	46 35 46 N 118 22 11 W	Fl G 6s	12	4	SG on platform.	
		*			*		12/03
13575	- LIGHT 20	46 36 07 N 118 20 57 W	Fl R 4s	10	4	TR on skeleton tower.	
		*			*		12/03
13585	- LIGHT 22	46 35 56 N 118 17 54 W	Fl R 6s	60	4	TR on platform.	
		*			*		12/03
13600	- LIGHT 27	46 36 10 N 118 14 54 W	Fl G 2.5s	17	4	SG on platform.	
		*					12/03
13610	TURNER BAY ENTRANCE LIGHT 2 Marks marina entrance.	46 35 15 N 118 13 21 W	Fl R 6s	7	4	TR on pedestal.	
		*		*	*		12/03
13615	- LIGHT 29	46 35 05 N 118 12 20 W	Fl G 4s	35	4	SG on platform.	
		*			*		12/03
13635	- LIGHT 37	46 33 36 N 118 06 48 W	Fl G 4s	80	4	SG on platform.	
					*		12/03
13640	- LIGHT 38	46 33 26 N 118 06 34 W	Fl R 4s	14	4	TR on platform.	
		*			*		12/03
13645	- LIGHT 39	46 34 31 N 118 05 51 W	Fl G 2.5s	20	4	SG on platform.	
		*					12/03
13650	- LIGHT 40	46 34 25 N 118 05 24 W	Fl R 6s	16	4	TR on platform.	
		*			*		12/03
13665	- LIGHT 41	46 34 33 N 118 04 11 W	Fl G 4s	10	4	SG on skeleton tower.	
		*					12/03
13670	- LIGHT 43	46 34 48 N 118 03 03 W	Fl G 6s	20	4	SG on platform.	
		*			*		12/03

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CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
13710	- LIGHT 4	46 35 11 N 117 56 05 W	Fl R 6s	33	4	TR on platform.	
		*		*		*	12/03
13725	- LIGHT 7	46 35 34 N 117 53 24 W	Fl G 4s	10	4	SG on platform.	
		*		*		*	12/03
13730	- LIGHT 8	46 36 25 N 117 52 32 W	Fl R 4s	15	2	TR on skeleton tower.	
		*		*		*	12/03
13735	- LIGHT 9	46 37 17 N 117 52 16 W	Fl G 2.5s	12	4	SG on platform.	
		*		*		*	12/03
15625	- South Reach Lighted Buoy 15	46 55 25 N 124 06 09 W	Q G		5	Green.	
		*		*		*	12/03
16490 17520	Point Hudson Spit Lighted Bell Buoy 2	48 07 27 N 122 44 40 W	Fl R 4s		4	Red.	
		*					12/03
16535	Foulweather Bluff Lighted Bell Buoy 2	47 56 50 N 122 36 06 W	Fl R 4s		4	Red.	
		*					12/03
16745	Puget Sound Traffic Lane Separation Lighted Buoy SF	47 45 54 N 122 26 15 W	Fl Y 4s		6	Yellow.	RACON: G (- - •).
		*					12/03
16765	Meadow Point Lighted Buoy 1	47 41 47 N 122 24 35 W	Fl G 4s		5	Green.	
		*		*			12/03
16815	Puget Sound Traffic Lane Separation Lighted Buoy SG	47 39 41 N 122 27 52 W	Fl Y 4s		6	Yellow.	RACON: N (- •).
		*	*				12/03
16820	Wing Point Reef Buoy 2	47 36 44 N 122 29 08 W				Red nun.	
		*					12/03

PUGET SOUND - Northern Part (Chart 18441)

Port Townsend and Oak Bay

17520 16490	Point Hudson Spit Lighted Bell Buoy 2	48 07 27 N 122 44 40 W	Fl R 4s	4	Red.	
		*				12/03

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CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
17564	- Lighted Buoy 1	48 04 59 N 122 44 54 W	Fl G 2.5s			Green can.	
		*					12/03
17705	Port Ludlow Buoy 2 Marks southerly limit of Colvos Rocks.	47 56 40 N 122 39 31 W				Red nun.	
		*					12/03
17940	Agate Passage Lighted Buoy 4	47 42 32 N 122 34 11 W	Fl R 4s		3	Red.	
		*					12/03
Rich Passage							
18030	Bainbridge Reef Lighted Buoy 4	47 34 05 N 122 31 08 W	Fl R 4s		4	Red.	
		*					12/03
18065	- Lighted Buoy 8	47 35 36 N 122 32 33 W	Fl R 2.5s		5	Red.	
		*			*		12/03
18125	- Entrance Buoy 1	47 40 46 N 122 24 54 W				Green can.	
		*					12/03
18130	- Entrance Buoy 2	47 40 39 N 122 24 57 W				Red nun.	
		*					12/03
STRAIT OF JUAN DE FUCA TO STRAIT OF GEORGIA (Chart 18421)							
Skagit Bay							
18755	- Buoy 2	48 16 17 N 122 30 17 W				Red nun.	
		*					12/03
18965	- Lighted Buoy 3	48 31 18 N 122 39 23 W	Fl G 2.5s		5	Green.	
		*			*		12/03
18975	- Lighted Buoy 5	48 31 24 N 122 38 27 W	Fl G 4s		5	Green.	
		*			*		12/03
19020	- Lighted Bell Buoy 4	48 34 44 N 122 35 47 W	Fl R 4s		4	Red.	
		*					12/03
Anacortes Harbor							
19040	Fidalgo Bay Shoal Buoy 2	48 30 36 N 122 35 07 W				Red nun.	
		*					12/03

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SECTION II

CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
19045	- Junction Lighted Buoy A	48 30 41 N 122 35 38 W	Fl (2+1) R 6s		4	Red and green bands.	
		*					12/03
19170	- Lighted Bell Buoy 4	48 32 11 N 122 40 10 W	Fl R 4s		5	Red.	
		*					12/03
19180	- Lighted Buoy 6	48 35 27 N 122 39 07 W	Fl R 4s		4	Red.	
		*					12/03
Bellingham Bay							
19220	Post Point Lighted Bell Buoy 2	48 42 49 N 122 31 45 W	Fl R 4s		5	Red.	
		*					12/03
19305	Point Francis Shoal Buoy 4	48 41 41 N 122 38 16 W				Red nun.	
		*					12/03
19310	Lummi Point Lighted Buoy 5	48 44 05 N 122 41 11 W	Fl G 4s		5	Green.	
		*					12/03
19969	INTERNATIONAL BOUNDARY LIGHT A	49 00 07 N 123 06 44 W	Q W	25	6	Concrete structure.	
		*	*		*		
							12/03
24560	Hermanos Island Range Rear Daybeacon 210 yards, 104° from front daybeacon.	55 34 13 N 133 17 44 W				KRW on spindle.	
		*					12/03
28130	Cape Kumukahi Light	19 30 59 N 154 48 39 W	Fl W 15s	156	22	White pyramidal skeleton tower. 115	Lighted throughout 24 hours. Obscured from 015° to 120°. Emergency light of reduced intensity when main light is extinguished. Operates during periods of darkness only.
		*					12/03
28725	- Channel Daybeacon 9			13		SG on pile.	
		*					12/03
28730	- Channel Daybeacon 12			13		TR on pile.	
		*					12/03
28735	- Channel Daybeacon 11			13		SG on pile.	
		*					12/03

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CORRECTIONS TO C. G. LIGHT LIST, VOLUME VI PACIFIC COAST AND PACIFIC ISLANDS, 2002

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
28740	- CHANNEL LIGHT 14	21 28 23 N 157 49 44 W	Fl R 4s	15	4	TR on pile.	
	*	*					12/03
28745	- Channel Daybeacon 15			13		SG on pile.	
	*						12/03
28750	- Channel Lighted Buoy 17	21 27 54 N 157 49 25 W	Q G			Green.	
	*	*					12/03
28755	- CHANNEL LIGHT 18		Fl R 2.5s	15	4	TR on pile.	
	*						12/03
28760	- Channel Lighted Buoy 20	21 27 22 N 157 48 43 W	Fl R 4s		4	Red.	
	*	*					12/03
28765	- CHANNEL LIGHT 21		Fl G 4s	15	5	SG on pile.	
	*						12/03
28770	- CHANNEL DANGER LIGHT	21 26 56 N 157 47 45 W	Q W	15	4	NW on pile worded DANGER SUBMERGED REEF.	
	*						12/03
28775	- CHANNEL LIGHT 22		Fl R 4s	15	4	TR on pile.	
	*						12/03
28780	- Channel Daybeacon 23			13		SG on pile.	
	*						12/03
28785	- CHANNEL LIGHT 25		Q G	15	4	SG on pile.	
	*						12/03
28790	- Channel Buoy 26					Red nun.	
	*						12/03
30871	- Channel Lighted Buoy 2A	15 13 46 N 145 42 01 E	Fl R 2.5s		4	Red.	
	*						12/03
30885	- Channel Lighted Buoy 3	15 13 39 N 145 42 06 E	Fl G 2.5s		4	Green.	
	*						12/03

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CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2002 EDITION

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1184 -Punta Tortuga. G 1900		29° 55.9' S 71° 21.6' W	Fl.W. period 13s fl. 0.2s, ec. 12.8s	79 24	27	White round iron tower, red band; 13.	Visible 042°-255°. 3 F.R. on radio mast 1.97 miles SSE. F.R. on radio mast 0.73 mile S. Siren: 1 bl. ev. 30s (bl. 3s, si. 27s).
-RACON			T(-)	*	*		*
							12/03
11764 -Ecstall Island. G 5764		54° 09.8' N 129° 57.5' W	Fl.W. period 6s fl. 0.5s, ec. 5.5s	17 5	6	Square skelton tower, white daymark.	*
				*	*		*
							12/03
ARTHUR PASSAGE:							
11768 -Marked Tee Bluff. G 5762		54° 04.1' N 130° 09.8' W	Fl.W. period 6s fl. 0.5s, ec. 5.5s	28 8	6	Square skeleton tower.	*
				*	*	*	12/03
11772 -Herbert Reefs. G 5760		54° 01.4' N 130° 14.3' W	Fl.(3)W. period 12s fl. 0.5s, ec. 2s fl. 0.5s, ec. 2s fl. 0.5s, ec. 6.5s	18 6	6	Square skeleton tower.	*
				*	*		12/03
11888 Tomkinson Point. G 5737.2		53° 25.8' N 128° 54.2' W	Fl.W. period 6s fl. 0.5s, ec. 5.5s	13 4	6	Square skeleton tower.	*
				*			12/03
11892 Kingcome Point. G 5734		53° 18.0' N 128° 54.4' W	Q.W.	20 6	5	Square skeleton tower.	*
				*	*		*
							12/03
11900 Point Cumming. G 5736.8		53° 18.7' N 129° 07.2' W	Fl.W. period 6s fl. 0.5s, ec. 5.5s	20 6	6	Square skeleton tower.	*
				*	*		12/03
11926 -Alexander Island. G 5735.7		52° 57.3' N 129° 18.5' W	Fl.W. period 4s fl. 0.5s, ec. 3.5s	39 12	10	White round tower.	*
				*	*		12/03
12000 -Boat Bluff. G 5720		52° 38.6' N 128° 31.4' W	Oc.W.R. period 5s lt. 4s, ec. 1s	38 12	8	Skeleton tower; 24.	W. 291°-336°, R.-093°, W.-134°. Horn: 1 bl. ev. 20s.
				*	*		
							12/03
12048 Spider Channel. G 5709		51° 51.8' N 128° 15.5' W	Fl.W. period 4s fl. 0.5s, ec. 3.5s	62 19	6	Square skeleton tower.	*
				*			12/03

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SECTION II

CORRECTIONS TO PUB 111, LIST OF LIGHTS, 2002 EDITION

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SEAFORTH CHANNEL:							
12052 -Ivory Island. G 5713		52° 16.2' N 128° 24.3' W	Fl.W. period 5s	67 20	15	Red skeleton tower; 17.	Visible 281°-165°30'. Horn: 1 bl. ev. 30s. Emergency light.
			*				12/03
12260 -Harris Island. G 5654		51° 00.0' N 127° 34.0' W	Fl.W. period 4s fl. 0.5s, ec. 3.5s	45 14	6	Mast.	
			*				12/03
12268 -Scarlett Point. G 5648		50° 51.6' N 127° 36.7' W	Fl.W. period 5s fl. 0.2s, ec. 4.8s	78 24	16	White round tower; 28.	Operates at night only.
			*				12/03
12272 -Jeannette Islands. G 5652		50° 55.3' N 127° 24.8' W	Fl.W. period 4s fl. 0.5s, ec. 3.5s	31 10	7	White round tower, red band at top.	
			*				12/03
12284 -Doyle Island. G 5633		50° 48.3' N 127° 27.6' W	Fl.W. period 4s fl. 0.5s, ec. 3.5s	46 14	10	White round tower, green band at top.	
			*	*			12/03

CORRECTIONS TO PUB 112, LIST OF LIGHTS, 2003 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
5272 -Middle breakwater, W. head. F 6427.19		35° 35.5' N 139° 47.4' E	Fl.(2)R. period 5s	33 10	7	Red tower; 28.	
		*	*	*			12/03
*17058.1 Korea Electric Pier, seabirth. F 4311.73		34° 56.5' N 127° 49.3' E	Fl.(4)Y. period 8s	39 12	7	Yellow round steel tower; 14.	
							12/03
23516 -E. mole, head. K 1112		6° 50.7' S 109° 08.2' E	Fl.R. period 5s fl. 0.5s, ec. 4.5s	43 13	6	PORT (A) R, beacon, topmark.	
		*		*			12/03
*28558 -Jabal Dadnah. D 7332.3		25° 31.4' N 56° 21.9' E	Q.R.			Red and white framework structure; 121.	
							12/03

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CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
4540 <i>E 0120.5</i>	-Breakwater, head.	37° 33.9' N 1° 15.3' W	Fl.(2)R. period 5s fl. 0.5s, ec. 1s fl. 0.5s, ec. 3s	30 9	4	Gray metal post; 10.	
		*	*				12/03
*4569 <i>E 0126.4</i>	--Pantalan Metaneros, E end.	37° 34.4' N 0° 57.8' W	Fl.(3)R. period 10s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	26 8	1	Red post; 3.	
							12/03
4577 <i>E 0126.7</i>	--Muelle Principe Felipe.	37° 34.2' N 0° 57.5' W	Fl.(4)R. period 12s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 5.5s	23 7	1	Red column; 13.	
		*					12/03
*4577.2 <i>E 0126.64</i>	--Nuevo Muello de Isaac Peral, SE. corner.	37° 34.1' N 0° 57.1' W	Fl.R. period 3s fl. 0.5s, ec. 2.5s	23 7	1	Red column; 13.	
							12/03
*4650 <i>E 0147.5</i>	Rio Segura, directional dam, S. end.	38° 06.7' N 0° 38.3' W	Fl.(3)R. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	26 8	5	Red support; 16.	Fl.(3)G. 148 meters NW.
							12/03
4756 <i>E 0253</i>	-Puerto de La Sabina, breakwater, head.	38° 44.1' N 1° 25.1' E	Fl.(2)G. period 6s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 3.5s	36 11	3	Green column on white tower, green triangular daymark, point up; 26.	
		*			*		12/03
4799 <i>E 0267.8</i>	-Marina, outer breakwater.	38° 58.9' N 1° 32.3' E	Fl.(3)G. period 9s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 1.5s fl. 0.5s, ec. 4.5s	36 11	5	Green tower; 19.	
		*	*				12/03
-Puerto de Ibiza:							
4808 <i>E 0264</i>	-Islote Botafoch, entrance, E. side.	38° 54.2' N 1° 27.2' E	Oc.W.R. period 7s lt. 5s, ec. 2s	102 31	14	White round tower on white dwelling; 52.	W. 251°-034°, R.-045°, W.-242°. Siren: 2 bl. ev. 10s (bl. 2s, si. 2s, bl. 2s, si. 4s).
		*			*	*	*
4810 <i>E 0264.4</i>	--Marina d'es Botafoch.	38° 54.6' N 1° 27.0' E	Fl.(2+1)G. period 11s fl. 0.4s, ec. 0.8s fl. 0.4s, ec. 3s fl. 0.4s, ec. 6s	20 6	3	Green pedestal, red band, green triangular daymark, point up; 10.	
					*		12/03

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CORRECTIONS TO PUB 113, LIST OF LIGHTS, 2002 EDITION

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15240 -Methana. <i>E 4141.2</i>		37° 34.5' N 23° 23.4' E	FLG. period 3s fl. 0.3s, ec. 2.7s	26 8	3	White square cement column with gallery and green band; 20.	2 F.R. (vert.) light marks pier close N.
		*		*		*	12/03
15560 - -Submerged breakwater. <i>E 4188.2</i>		37° 56.1' N 23° 41.1' E	Q.G.	13 4	4	Concrete hexagonal hut on pedestal, green band.	
		*	*	*			12/03
25920 - -Rear, about 1060 meters D 5847.1 056° from front, jetty, head.		33° 02.1' S 17° 59.0' E	F.W.	46 14	12	Framework tower, green stripe;	Horn: 1 bl. ev. 20s. 36.
			F.G.	43 13	12		
		*			*		*
							12/03

CORRECTIONS TO PUB 116, LIST OF LIGHTS, 2002 EDITION

(1) No.	(2) Name and Location	(3) Position	(4) Characteristic	(5) Height	(6) Range	(7) Structure	(8) Remarks
*12249 -Approach Range, front. <i>C 3501.4</i>		57° 09.8' N 23° 13.9' E	Iso.R. period 2s	20 6	3	Metal framework tower, white square daymark, red stripe; 16.	Visible on range line only. Shown April 10 to Jan. 30.
							12/03
*Add Heading: *Zapadnaya Dvina							
*12249.1 - -Rear, 127 meters 270°12' C 3501.41 from front.		57° 09.8' N 23° 13.9' E	Fl.R. period 3s fl. 1s, ec. 2s	46 14	3	Metal framework tower, white square daymark, red stripe; 33.	Visible on range line only.
							12/03
*12294 - -S. head. <i>C 3536.5</i>		57° 03.2' N 24° 01.7' E	Fl.(3)R. period 9s		1		
							12/03
12440 Salacgriva Range, front. <i>C 3587</i>		57° 46.0' N 24° 21.0' E	Iso.R. period 2s	44 13	9	Red framework tower, white rectangular daymark, black stripe; 33.	Visible on range line only.
		*					*
							12/03
12444 - -Rear, about 146 meters C 3587.1 072°18' from front.		57° 45.4' N 24° 21.4' E	Iso.R. period 4s	78 24	9	Red framework tower, white rectangular daymark, black stripe; 59.	Visible 000°-170°.
		*	*		*		12/03

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SECTION II

PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 12/03

Note: * indicates New Edition/New Publication; ** indicates Publication Canceled; N indicates Not For Sale

NIMA Reference No.	Ed.	Notice to Mariners No.	NIMA Reference No.	Ed.	Notice to Mariners No.	NIMA Reference No.	Ed.	Notice to Mariners No.
NIMA HYDRO CATALOG CATP2V01U Region 1	2002	1*,2,3,4,7,8,9,10, 11/03	SDPUB153	2000	6/01*,28,30,41,44, 46,47,48,52/02;1,3, 4,8/03	COMDTM165024	2002	30*,31,32,33,34,35, 36,37,40,41,42,43, 45,46,47,48,49,50, 51,52/02;1,2,3,4,5,7, 9,10,11,12/03
Region 2	2002	1*,8/03	SDPUB154	2002	17*,19,31,42,44,45, 46,48,50/02;3/03	COMDTM165025	2002	16/02*
Region 3	2002	1/03*	SDPUB155	2001	31*,48/01;10,45, 46/02	COMDTM165026	2002	35*,36,40,41,42,43, 44,45,46,47,48,49, 50,51,52/02;1,2,4,5, 6,7,8,9,10,11,12/03
Region 4	2002	1/03*	SDPUB157	2000	20*,27,29,33,34,35, 38,41,44,48/00;1,3, 4,6,7,11,12,13,21, 23,32,47/01;2,5,9, 13,14,20,22,27, 38/02	COMDTM165027	2002	16*,17,18,19,20,21, 22,23,25,27,29,30, 32,33,34,36,37,40, 43,45,46,47,48,50, 51,52/02;1,4,6/03
Region 5	2002	1*,3,5,8/03	SDPUB158	2000	50/00*;5,10,12,13, 15,17,20,24/01; 46/02	FLEET GUIDES		
Region 6	2002	1*,10,11/03	SDPUB159	2002	42*,48/02	FGPUB940ATL	2001	N47/01*
Region 7	2002	1*,11/03	SDPUB160	2002	47*,48,49,52/02;6,8, 10,11/03	FGPUB941PAC	2001	N22/01*
Region 8	2002	1/03*	SDPUB161	2002	23*,24,44,47,48/02; 5,12/03	NOS MISCELLANEOUS PUBLICATIONS		
Region 9	2002	1/03*	SDPUB162	2001	51/01*,5,12/03	NOSPBCATALOG1	2000	20/00*
Miscellaneous Charts and Publications	2002	1*,2,4,5,6,7,9,11, 12/03	SDPUB163	2002	18*,20,21,26,46, 51/02	NOSPBCATALOG2	2000	34/00*
LLPUB110	2003	7*,8,9,11/03	SDPUB164	2000	30/00*;31,35,36/01; 8/03	NOSPBCATALOG3	2000	28/00*
LLPUB111	2002	35*,36,37,38,39,40, 41,42,43,44,45,46, 47,48,50,51,52/02;1, 2,3,4,5,6,7,8,9,10, 12/03	SDPUB165	2001	40*,47,48,52/01;5,9, 14,16,41/02	NOSPBCATALOG4	2000	34/00*
LLPUB112	2003	4*,5,6,7,8,9,10,11, 12/03	SDPUB166	2001	1*,2,3,5,6,7,8,9,14, 15,16,17,18,19,20, 22,24/02;1,11,12/03	ALMANACS		
LLPUB113	2002	45*,47,48,50,51, 52/02;1,2,3,4,5,6,7, 8,10,11,12/03	SDPUB167	2001	14*,16,41/02	AIRALMANAC301	2003	44/02*
LLPUB114	2002	13*,15,16,17,19,20, 21,22,23,24,31,32, 34,35,36,38,39,40, 41,43,45,46,47,48, 49,51/02;1,4,5,6/03	SDPUB168	2002	50*,51/02;3/03	NAUTALMANAC03	2003	44/02*
LLPUB115	2002	39*,40,41,44,45,50, 51,52/02;1/03	SDPUB169	2000	7*,19,37,45,51, 52/01;1,5,14,19,22, 28,33,37,38,48/02	COAST PILOT		
LLPUB116	2002	18*,20,21,22,24,25, 26,27,29,31,34,37, 41,42,44,45,46,47, 48,49,50,52/02;1,2, 4,5,6,7,8,9,10,11, 12/03	SDPUB170	2001	41*,43,45,51/01;8, 11,12,13,14,16,17, 21,27,37,41,49/02	NOSPBCP1	32	37*,39,41,47,51/01; 1,5,7,13,18,33,37, 39,42,45,49,51/02;3, 9,10/03
SAILING DIRECTIONS			SDPUB171	2002	32*,33,42,47,48, 50/02;6/03	NOSPBCP2	31	44*,47,51,52/01;5,7, 12,13,18,23,33,37, 39,42,45,48,51/02;3, 6,11/03
CDPUBSD131	2002	9/03*	SDPUB172	2001	38*,39/02	NOSPBCP3	35	3*,5,7,12,15,17,18, 21,22,27,28,33,37, 42,45,49,51/02;3,10, 12/03
CDPUBSD146	2002	4/03*	SDPUB173	2001	8*,10,12,41/02	NOSPBCP4	34	49*,51/02;12/03
CDPUBSD194	2002	6*,8/03	SDPUB174	2000	SDPUB182	NOSPBCP5	30	2*,6,10,12/03
SDPUB120	2001	12*,18,48,49,51/01; 8,13,14,21,22,24,29, 33,35,37,42,43,44, 45,47/02;4,6,7,8,9, 10,11,12/03	SDPUB175	2001	27/01*,13,15,16/02	NOSPBCP6	32	19*,20,21,33,39,45, 47,49,51/02;3,6/03
SDPUB123	2001	45*,47,48/01;1,14, 17,18,19/02	SDPUB176	2000	5*,7,8,9,10,11,12, 13,14,15,16,17,18, 19,20,22,23,27,28, 29,30,31,33,34,36, 44,45,47,48/01;10, 14,15,16,17,42, 50/02;2,9,12/03	NOSPBCP7	34	1*,3,10/03
SDPUB124	2001	18*,44,45,47,48,49, 52/01;17,19,20,21, 29,30,31,34,46, 50/02	SDPUB177	2000	14*,16,17,18,24,26, 31,36,38,39,46/00;4, 14,17,21,22,23,25, 26,28,30,31,32/01; 11,12,13,14,15,16, 22,23,27,36,37,42, 48,52/02;2,4,5,6,7, 8/03	NOSPBCP8	24	3*,5,16,17,19,23,33, 37,40,47,50,51/02; 9/03
SDPUB125	2000	6*,9,10,20,21,40/00; 36,37,45,46/01;14, 17,33,35,38,40/02	SDPUB178	2000	SDPUB183	NOSPBCP9	20	12*,20,23,33,37,45, 50,51/02;3,6,9,10/03
SDPUB126	2002	39*,41,42,43,44,45, 48/02	SDPUB179	2000	27*,38,49/00;9,26, 27,31,32/01;14,15, 26,52/02	RADIO NAVIGATIONAL AIDS		
SDPUB127	2000	37*,38/00;18,33,40, 44,45,48,49,52/01;1, 11,13,17,18,27,33, 34,37,41,47,49, 51/02/03	SDPUB180	2002	33*,40,49,51,52/02; 1,2,3/03	RAPUB117	2002	50/02*
SDPUB132	2000	39*,45/00;16,17,31, 35/01;1,12,21,25, 26/02;2,10/03	SDPUB181	2002	38*,39,42/02	AMERICAN PRACTICAL NAVIGATOR		
SDPUB140	2001	21*,48,49,51/01;8, 17,23,32,42,43,44, 46,47,48,50/02;4,6, 7,8,9,11,12/03	SDPUB182	2000	14*,17,18,19,20,21, 22,23,25,26,27,28, 29,30,31,32,33,34, 35,36,37,40,41,42, 43,44,45,46,47,48, 49,50,51,52/02;1,2, 3,4,5,6,7,9,10,11, 12/03	NVPUB9	2002	36/02*
SDPUB141	2001	21*,38/01	SDPUB183	2000	27*,38,49/00;9,26, 27,31,32/01;14,15, 26,52/02	INTERNATIONAL CODE OF SIGNALS		
SDPUB142	2000	49/00*;3,31,35/01; 1,15,43/02	SDPUB184	2002	33*,40,49,51,52/02; 1,2,3/03	NVPUB102	1999	46/99*/52/01
SDPUB143	2000	8*,10,19,29/00;16, 26/01;1,25/02;9/03	SDPUB185	2002	38*,39,42/02	WORLD PORT INDEX		
SDPUB145	2000	13*,14,18,19,22,26, 32,37,38,46,47,51, 53/00;1,4,5,7,10,12, 28,29,35,52/01;14, 27/02	SDPUB186	2002	30*,31,32,33,34,35, 36,37,39,40,41,42, 43,44,45,46,47,48, 49,50,51,52/02;1,2, 3,4,5,6,7,8,9,10,11, 12/03	NVPUB150	2000	50/00*;14,15,16,20, 21,41,42,43,44,45, 46,47,48,49,51, 52/01;1,2,5,6,10,11, 12,16,19,21,22,27, 31,32,33,36,39,40, 42,46,49/02;2,7, 10/03
SDPUB147	2001	35/01*;21,22,23, 24/02	SDPUB187	2002	35*,36,37,40,41,42, 43,44,45,46,47,48, 49,50,51/02;1,2,3,4, 5,6,7,8,9,10,11, 12/03	DISTANCES BETWEEN PORTS		
SDPUB148	2001	48/01*;23,24/02	SDPUB188	2002	35*,36,37,40,41,42, 43,44,45,46,47,48, 49,50,51/02;1,2,3,4, 5,6,7,8,9,10,11, 12/03	NVPUB151	2001	4/02*
						RADAR NAVIGATION AND MANEUVERING BOARD MANUAL		
						CDPUBNV1310	2001	51/01*

SECTION II

**PUBLICATIONS AFFECTED BY NOTICE TO MARINERS
THROUGH NM 12/03**

Note: * indicates New Edition/New Publication; ** indicates Publication Canceled; N indicates Not For Sale

NIMA Reference No.	Ed.	Notice to Mariners No.		
SIGHT REDUCTION TABLES (MARINE)				
SRPUB229V1	1970	11/71*		
SRPUB229V2	1970	11/71*		
SRPUB229V3	1970	7/71*		
SRPUB229V4	1970	3/71*		
SRPUB229V5	1970	3/71*		
SRPUB229V6	1970	23/70*		
SIGHT REDUCTION TABLES (AIR)				
SRPUB249V1	2000	4/01*		
SRPUB249V2	1952	46/52*		
SRPUB249V3	1952	46/52*		
CHART NO. 1				
WOBZC1	1997	18/98*		
CHART NO. 4				
WOBZC4	1988	N20/89*		
ATLAS OF PILOT CHARTS				
NVPUB107	1998	30/99*		
NVPUB109	2001	49/02*		
USCG NAVIGATION RULES				
COMDTM166722D	1999	44/99*;52/00		
NOS TIDE TABLES				
NOSPBTTCWPACIN3	2003	N4/03*		
NOSPBTTECSTNSA3	2003	N4/03*		
NOSPBTTEURAFR3	2003	N4/03*		
NOSPBTWCSTNSA3	2003	N4/03*		
TIDAL CURRENT TABLES				
NOSPBTCTATCSTN3	2003	N4/03*		
NOSPBTCTPACAS3	2003	N4/03*		

SECTION III

NM 12/03

BROADCAST WARNINGS

Details concerning the particulars of the broadcasting of radio navigational warnings may be found in Radio Navigational Aids, Pub. 117.

NAVAREA IV

Messages in force 061200Z March 2003:

2001 series	219(GEN)	365(14)	52(11)	90(11,25)	93(GEN)
393(GEN)	346(GEN)	468(GEN)	86(11,26)	91(GEN)	94(GEN)
2002 series	351(11)	2003 series	87(11)	92(11)	

The summary of all NAVAREA IV messages in force as of 12 December 2002 is given in Section III of NM 52/02.

NAVAREA IV WARNINGS issued from 261200Z February to 061200Z March 2003.

84/03 and 85/03. CANCELED.

86/03(11,26). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS:
 - A. 0500Z TO 0459Z COMMENCING DAILY 03 THRU 09 MAR IN AREA BOUND BY 30-45.0N 080-32.0W, 30-45.0N 079-40.0W, 30-37.5N 079-40.0W, 30-34.0N 080-33.0W.
 - B. 031200Z TO 040459Z AND 0500Z TO 0459Z COMMENCING DAILY 04 THRU 09 MAR IN AREA BETWEEN 29-20.0N 29-10.0N AND 079-50.0W 079-40.0W.
 - C. 1300Z TO 0459Z COMMENCING DAILY 04 AND 06 MAR IN AREA BETWEEN 29-40.0N 29-50.0N AND 080-30.0W 080-40.0W.
2. CANCEL THIS MSG 100559Z MAR.

(281500Z FEB 2003)

87/03(11). GULF OF MEXICO. TEXAS.

1. SURVEY OPERATIONS 02 THRU 31 MAR BY M/V NORTHERN ACCESS TOWING 8500 METER LONG CABLE IN AREA BETWEEN 27-20N 29-27N AND 093-00W 093-45W. SIX MILE BERTH REQUESTED.
2. CANCEL THIS MSG 01 APR.

(011020Z MAR 2003)

88/03 and 89/03. CANCELED.

90/03(11,25). NORTH ATLANTIC. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 082344Z TO 090150Z MAR, ALTERNATE 092344Z TO 100149Z MAR IN AREAS BOUND BY:
 - A. 28-38N 080-37W, 28-42N 080-30W, 28-42N 080-24W, 28-33N 080-12W, 28-31N 080-12W, 28-31N 080-28W, 28-30N 080-33W.
 - B. 23-06N 059-09W, 21-44N 055-51W, 20-31N 056-20W, 21-54N 059-37W.
2. CANCEL THIS MSG 100249Z MAR.

(030940Z MAR 2003)

91/03(GEN). GPS SATELLITE SYSTEM.

1. PRN 06 UNUSABLE 071345Z TO 080145Z MAR.
2. CANCEL THIS MSG 080245Z MAR.

(041400Z MAR 2003)

92/03(11). GULF OF MEXICO.

1. SEISMIC SURVEY IN PROGRESS UNTIL 10 MAR BY M/V ZEPHYR 1 TOWING 8250 METER LONG CABLE IN AREA BETWEEN 27-00N 29-38N AND 092-15W 093-50W. FIVE MILE BERTH REQUESTED.
2. CANCEL NAVAREA IV 89/03.
3. CANCEL THIS MSG 11 MAR.

(050740Z MAR 2003)

93/03(GEN).

1. NAVAREA IV MESSAGES IN FORCE 051000Z MAR 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN. 2003 SERIES: 52(11), 86(11,26), 87(11), 90(11,25), 91(GEN), 92(11).
2. THE SUMMARY OF ALL NAVAREA IV MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
3. CANCEL NAVAREA IV 83/03.

(051010Z MAR 2003)

SECTION III

94/03(GEN). MARITIME SAFETY INFORMATION DIVISION WEBSITE.
NIMA MARITIME SAFETY INFORMATION DIVISION WEBSITE INTERMITTENTLY
UNUSABLE UNTIL FURTHER NOTICE. FOR URGENT SERVICE CONTACT
NIMA NAVSAFETY DSN: 287 3149, COMM: 1 800 362 6289 OR
301 227 3149, E-MAIL: NAVSAFETY@NIMA.MIL OR MSG TO
NIMA NAVSAFETY BETHESDA MD.

(051400Z MAR 2003)

SECTION III

HYDROLANTS

Messages in force 061200Z March 2003:

2000 series	946(53)	65(53)	357(52)	451(55)	495(36,51)
1569(36)	1065(53)	67(37)	368(54)	452(53)	496(55)
2937(38)	1485(24)	76(54)	369(51)	455(56)	498(24)
3762(43)	2027(GEN)	154(54)	381(56)	462(24)	499(54,56)
4265(44)	2203(51)	180(23,57)	382(24,25)	463(52,53)	500(GEN)
2001 series	2354(53)	181(57)	383(57)	464(55)	501(GEN)
611(44)	2554(35)	196(52)	390(22)	466(23,29)	502(37)
1798(37)	2673(GEN)	234(37)	398(25)	476(54)	503(55)
2659(GEN)	2682(51)	262(54)	404(37)	481(37)	505(36,37)
2700(37)	2808(24)	271(GEN)	408(35)	482(24)	506(23)
2864(53)	2848(37)	273(54)	427(56)	483(57)	507(24)
3161(44)	2869(52)	282(55)	433(GEN)	484(52,53)	
2002 series	2882(54)	309(24)	435(52)	485(53)	
245(GEN)	2883(54)	317(37)	437(53)	486(36,37)	
246(GEN)	2003 series	339(GEN)	448(24)	490(51)	
383(53)	41(37)	340(53)	450(55)	493(GEN)	

The summary of all HYDROLANTS in force as of 12 December 2002 is given in Section III of NM 52/02.

HYDROLANT WARNINGS issued from 261200Z February to 061200Z March 2003.

442/03 thru 447/03. CANCELED.

448/03(24). BRAZIL-EAST COAST.

MAN OVERBOARD VICINITY 08-30S 034-50W.
 VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
 ASSIST IF POSSIBLE. REPORTS TO ANY COASTAL RADIO STATION.

(270255Z FEB 2003)

449/03. CANCELED.

450/03(55). BLACK SEA. GUNNERY.

1. GUNNERY EXERCISES 0800Z TO 1630Z DAILY
 04 THRU 07 MAR IN AREA BOUND BY
 44-43.8N 032-52.2E, 44-34.8N 032-37.4E,
 44-39.0N 032-11.5E, 44-48.4N 032-08.2E,
 45-00.2N 032-14.2E, 44-52.2N 032-41.6E.
2. CANCEL HYDROLANT 123/03(52), 419/03(24),
 420/03(24), 425/03(52) AND 439/03(24).
3. CANCEL THIS MSG 071730Z MAR.

(271400Z FEB 2003)

451/03(55). BLACK SEA. GUNNERY.

1. GUNNERY EXERCISES 0800Z TO 1400Z DAILY
 04 THRU 07 MAR IN AREA BOUND BY
 44-59.4N 035-48.0E, 44-57.5N 035-48.0E,
 44-57.5N 035-33.5E, 45-03.5N 035-33.5E.
2. CANCEL THIS MSG 071500Z MAR.

(271430Z FEB 2003)

452/03(53). SICILIA-SOUTHEAST COAST. GUNNERY.

1. GUNNERY EXERCISES 0400Z TO 2000Z DAILY 03 THRU 06,
 10 THRU 13, 17 THRU 20, 24 THRU 27 AND 31 MAR
 WITHIN 1.5 MILES OF 36-39-19N 015-00-53E.
2. CANCEL THIS MSG 312100Z MAR.

(271500Z FEB 2003)

453/03 and 454/03. CANCELED.

455/03(56). EASTERN MEDITERRANEAN SEA. GUNNERY.

1. GUNNERY EXERCISES 0500Z TO 1500Z DAILY 02 THRU 06 MAR
 IN AREA BOUND BY 31-56.0N 034-42.1E,
 31-56.3N 034-40.8E, 31-51.1N 034-39.1E,
 31-46.5N 034-34.4E, 32-07.9N 033-09.9E,
 32-22.5N 033-14.9E, 32-01.5N 034-37.7E.
2. CANCEL THIS MSG 061600Z MAR.

(272026Z FEB 2003)

456/03 thru 461/03. CANCELED.

SECTION III

462/03(24). BRAZIL-NORTH COAST.
 CHART 24290 (3RD ED).
 RACON AT SALINOPOLIS LIGHT 00-36.9S 047-21.4W INOPERATIVE.

(280825Z FEB 2003)

463/03(52,53). STRAIT OF SICILY.
 M/V NEW LILY, 18 PERSONS ON BOARD, IN NEED OF IMMEDIATE ASSISTANCE IN 37-35N 011-39E AT 281045Z FEB. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO MRCC ROME, INMARSAT-C: 4247 44220, PHONE: 390 6592 4145, FAX: 390 6592 2737 OR PALERMO RADIO.

(281220Z FEB 2003)

464/03(55). BLACK SEA. MISSILES.
 1. HAZARDOUS OPERATIONS 04 THRU 14 MAR
 IN AREA BOUND BY 44-23.0N 028-42.5E,
 44-27.0N 029-01.0E, 44-20.0N 029-01.5E,
 44-13.0N 028-56.5E.
 2. CANCEL HYDROLANT 443/03(53), OPERATIONS CANCELED.
 3. CANCEL THIS MSG 15 MAR.

(281420Z FEB 2003)

465/03. CANCELED.

466/03(23,29). SOUTH ATLANTIC. ICE.
 1. ICEBERGS REPORTED ON 28 FEB IN:
 A. A-38C, SEVEN MILES BY 11 MILES IN 60-36S 050-00W.
 B. A-43B, 13 MILES BY 40 MILES IN 54-30S 039-54W.
 C. A-43C, 24 MILES BY 41 MILES IN 59-00S 037-54W.
 D. A-43G, EIGHT MILES BY 49 MILES IN 53-30S 038-36W.
 E. A-43I, TWO MILES BY 12 MILES IN 56-42S 033-42W.
 F. A-46, FOUR MILES BY 11 MILES IN 46-24S 059-30W.
 G. A-47, NINE MILES BY 14 MILES IN 57-30S 047-54W.
 H. B-09A, 15 MILES BY 22 MILES IN 51-36S 033-30W.
 2. CANCEL HYDROLANT 429/03.
 3. CANCEL THIS MSG 08 MAR.

(010310Z MAR 2003)

467/03 thru 475/03. CANCELED.

476/03(54). ADRIATIC SEA.
 1. OCEANOGRAPHIC OPERATIONS IN PROGRESS UNTIL 15 APR
 BY M/V ODIN FINDER IN AREAS BOUND BY:
 A. 41-05.7N 016-57.5E, 41-06.1N 016-58.4E, 41-06.2N 016-58.6E,
 41-06.7N 016-59.7E, 41-06.8N 017-00.0E, 41-07.0N 017-00.6E,
 41-07.7N 017-02.5E, 41-08.1N 017-03.9E, 41-08.3N 017-05.6E,
 41-08.2N 017-07.5E, 41-07.9N 017-10.0E, 41-04.4N 017-30.7E,
 41-04.3N 017-31.4E, 41-04.3N 017-31.5E, 41-01.4N 017-44.1E,
 40-59.4N 017-53.1E, 40-59.2N 017-54.2E, 40-58.9N 017-55.4E,
 40-56.2N 018-06.1E, 40-54.2N 018-14.3E, 40-52.8N 018-19.2E,
 40-52.4N 018-20.6E, 40-51.9N 018-22.0E, 40-51.4N 018-23.0E,
 40-51.4N 018-23.0E, 40-51.1N 018-23.6E, 40-50.7N 018-24.2E,
 40-50.7N 018-24.3E, 40-48.3N 018-30.1E, 40-47.1N 018-32.8E,
 40-46.1N 018-34.5E, 40-44.8N 018-36.3E, 40-43.5N 018-37.6E,
 40-39.7N 018-40.1E, 40-26.3N 018-48.9E, 40-22.7N 018-51.2E.
 B. 41-05.7N 016-57.5E, 41-06.1N 016-58.4E, 41-06.2N 016-58.6E,
 41-06.5N 016-59.5E, 41-06.6N 017-00.1E, 41-06.9N 017-01.3E,
 41-06.9N 017-01.6E, 41-07.2N 017-03.1E, 41-07.4N 017-05.1E,
 41-07.3N 017-06.4E, 41-07.2N 017-07.4E, 41-03.4N 017-29.2E,
 41-02.3N 017-34.2E, 41-02.1N 017-34.9E, 40-54.5N 017-58.8E,
 40-49.2N 018-10.1E, 40-47.8N 018-12.1E, 40-47.1N 018-12.9E,
 40-46.9N 018-13.2E, 40-46.7N 018-13.4E, 40-46.5N 018-13.6E,
 40-46.3N 018-13.9E, 40-37.1N 018-24.1E, 40-28.2N 018-35.0E,
 40-25.3N 018-38.5E, 40-17.8N 018-46.5E, 40-15.8N 018-48.7E,
 40-07.1N 018-58.0E, 40-06.5N 018-58.5E.
 2. CANCEL HYDROLANT 139/03(53).
 3. CANCEL THIS MSG 16 APR.

(012000Z MAR 2003)

477/03 thru 480/03. CANCELED.

481/03(37). DOVER STRAIT.
 CHART 37115 (2ND ED).
 COLBART SOUTHWEST BUOY 50-49N 001-17E UNLIT.

(030045Z MAR 2003)

SECTION III

NM 12/03

482/03(24). BRAZIL-SOUTH COAST.

1. OCEANOGRAPHIC OPERATIONS 06 THRU 13 MAR
BY M/V ANTARES IN AREA BOUND BY
29-30S 049-39W, 31-09S 046-30W,
29-21S 045-10W, 27-41S 048-19W.
THREE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 14 MAR.

(030740Z MAR 2003)

483/03(57). GULF OF GUINEA.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 15 APR
BY M/V GULF SUPPLIER IN AREA BOUND BY
06-00N 001-40E, 05-25N 001-50E,
05-25N 002-50E, 06-00N 002-50E.
SIX MILE BERTH REQUESTED.
2. CANCEL HYDROLANT 478/03.
3. CANCEL THIS MSG 16 APR.

(030936Z MAR 2003)

484/03(52,53). SARDEGNA-SOUTH COAST. GUNNERY.

1. GUNNERY EXERCISES 0700Z TO 1800Z DAILY 03 THRU 08,
10 THRU 15, 17 THRU 21 AND 26 THRU 31 MAR IN
AREA BOUND BY 38-55-10N 008-42-30E,
38-50-00N 008-48-00E, 38-46-15N 008-48-00E,
38-43-30N 008-41-15E, 38-49-00N 008-26-00E,
38-56-12N 008-27-06E, 38-57-00N 008-37-06E.
2. CANCEL THIS MSG 311900Z MAR.

(031110Z MAR 2003)

485/03(53). SARDEGNA-EAST COAST. MISSILES. ROCKETS.

1. HAZARDOUS OPERATIONS 0800Z TO 1630Z DAILY:
 - A. 03 THRU 07, 10 THRU 14, 17 THRU 21,
24 THRU 28 AND 31 MAR IN AREA BOUND BY
40-00N 010-00E, 40-00N 010-30E, 39-10N 010-30E,
39-10N 010-00E, 39-26N 009-38E, 39-38N 009-38E.
 - B. 05, 06, 12, 13, 19, 20, 26 AND 27 MAR
IN AREA BOUND BY
40-15N 010-00E, 40-15N 011-31E, 40-11N 011-33E,
39-32N 011-38E, 38-52N 011-28E, 39-10N 010-00E,
39-28N 009-38E, 39-43N 009-40E, 40-15N 010-00E.
 - C. 03 THRU 07 AND 10 THRU 14 MAR IN AREA BOUND BY
40-37N 009-50E, 40-40N 010-35E, 40-40N 010-50E,
39-20N 010-50E, 39-20N 009-47E, 39-24N 009-40E.
 - D. 03 THRU 07 MAR IN AREA BOUND BY
40-37N 009-54E, 40-42N 011-17E, 40-11N 011-33E,
39-46N 011-36E, 39-02N 010-17E, 39-04N 010-08E,
39-26N 009-38E.
2. CANCEL THIS MSG 311730Z MAR.

(031120Z MAR 2003)

486/03(36,37). NORTH ATLANTIC.

1. TANK ADRIFT VICINITY 46-22.7N 009-07.1W
AT 280845Z FEB.
2. CANCEL THIS MSG 10 MAR.

(031525Z MAR 2003)

487/03 thru 489/03. CANCELED.

490/03(51). MOROCCO.

CHART 51017 (31ST ED).
BEDDOUZA LIGHT 32-32.6N 009-17.0W AT REDUCED INTENSITY.

(031908Z MAR 2003)

491/03 and 492/03. CANCELED.

493/03(GEN). GPS SATELLITE SYSTEM.

1. PRN 06 UNUSABLE 071345Z TO 080145Z MAR.
2. CANCEL HYDROLANT 489/03(54) AND 492/03(54,56).
3. CANCEL THIS MSG 080245Z MAR.

(041425Z MAR 2003)

494/03. CANCELED.

495/03(36,51). NORTH ATLANTIC.

1. 32 METER LONG STRUCTURE ADRIFT IN
43-51N 015-42W AT 041225Z MAR.
2. CANCEL THIS MSG 11 MAR.

(041815Z MAR 2003)

SECTION III

496/03(55). BLACK SEA.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 30 JUN BY
M/V DIORIT AND M/V ISKATEL IN AREA BOUND BY
44-54N 036-28E, 44-41N 036-27E,
44-42N 035-57E, 44-57N 035-57E.
TWO MILE BERTH REQUESTED.
2. CANCEL THIS MSG 01 JUL.

(050100Z MAR 2003)

497/03. CANCELED.

498/03(24). BRAZIL-NORTH COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 070300Z MAR
BY M/V CGG HARMATTAN TOWING SIX 6000 METER
LONG CABLES IN AREA BOUND BY
02-32.7S 038-55.5W, 02-49.5S 039-03.7W,
03-04.0S 038-37.5W, 02-46.0S 038-28.6W.
FOUR MILE BERTH REQUESTED.
2. CANCEL THIS MSG 070400Z MAR.

(050710Z MAR 2003)

499/03(54,56). EASTERN MEDITERRANEAN SEA.

1. U.S. FORCES ARE CONDUCTING COMBAT TRAINING EXERCISES
IN INTERNATIONAL WATERS OFF THE NORTHERN AND EASTERN
COAST OF CYPRUS UNTIL FURTHER NOTICE. COMBAT EXERCISE
ACTIVITIES MAY POSE A HAZARD TO NAVIGATION. ALL
VESSELS ARE ADVISED TO NAVIGATE WITH EXTREME CAUTION.
2. REQUEST SURFACE VESSELS WITH DESTINATIONS AT PORTS IN
SOUTHWESTERN TURKEY, NORTH AND EASTERN CYPRUS OR SYRIA
REMAIN CLEAR OF THE FOLLOWING DESIGNATED OPERATING AREAS:
A. OPAREA ONE: 36-30N 034-40E, 36-12N 035-30E,
35-50N 035-30E, 35-50N 034-54E, 36-00N 034-36E,
35-45N 034-00E, 35-55N 034-00E.
B. OPAREA TWO: 35-25N 034-40E, 35-25N 035-30E,
34-40N 035-35E, 34-10N 035-10E, 34-10N 033-55E,
34-25N 033-55E, 34-55N 034-25E, 35-15N 034-25E.
3. ALL PORTS IN THIS AREA REMAIN OPEN. VESSELS WILL
BE ABLE TO REACH PORTS IN SOUTHWESTERN TURKEY, NORTH AND
EASTERN CYPRUS OR SYRIA BY TRANSITING WITHIN 12NM OF
THE COAST OR IN INTERNATIONAL WATERS OUTSIDE THE OPAREAS
IDENTIFIED BY THE COORDINATES ABOVE.
4. DURING THESE COMBAT TRAINING EXERCISES U.S. FORCES
WILL BE OPERATING AT A HEIGHTENED STATE OF READINESS AND
TAKING ADDITIONAL DEFENSIVE PRECAUTIONS AGAINST TERRORIST
AND OTHER POTENTIAL THREATS. SURFACE VESSELS APPROACHING
U.S. FORCES ARE REQUESTED TO MAINTAIN RADIO CONTACT WITH
U.S. FORCES ON BRIDGE-TO-BRIDGE CHANNEL 16.
5. U.S. FORCES WILL EXERCISE APPROPRIATE MEASURES IN
SELF-DEFENSE IF WARRANTED BY THE CIRCUMSTANCES. SURFACE
VESSELS APPROACHING U.S. FORCES SHOULD MAKE THEIR INTENTIONS
CLEAR AND AVOID UNNECESSARY INITIATION OF SUCH DEFENSIVE
MEASURES BY INITIATING RADIO CONTACT AS DESCRIBED ABOVE.
6. NOTHING IN THIS WARNING IS INTENDED TO IMPEDE OR OTHERWISE
INTERFERE WITH THE FREEDOM OF NAVIGATION OF ANY VESSEL,
OR TO LIMIT OR EXPAND THE INHERENT SELF-DEFENSE
RIGHTS OF U.S. FORCES. THIS WARNING IS PUBLISHED SOLELY
TO ADVISE OF THE HEIGHTENED STATE OF READINESS OF U.S.
FORCES AND TO REQUEST THAT RADIO CONTACT BE MAINTAINED
AS DESCRIBED ABOVE.
7. CANCEL HYDROLANT 454/03.

(050840Z MAR 2003)

500/03(GEN).

1. HYDROLANT MESSAGES IN FORCE 051100Z MAR 2003. ONLY THOSE
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2003 SERIES: 154(54), 180(23,57), 181(57), 196(52), 234(37),
262(54), 271(GEN), 273(54), 282(55), 309(24), 317(37),
339(GEN), 340(53), 357(52), 368(54), 369(51), 381(56),
382(24,25), 383(57), 390(22), 398(25), 404(37), 408(35),
427(56), 433(GEN), 435(52), 437(53), 448(24), 450(55),
451(55), 452(53), 455(56), 456(23,57), 457(57), 460(24),
461(24), 462(24), 463(52,53), 464(55), 466(23,29), 467(24),
471(35), 476(54), 481(37), 482(24), 483(57), 484(52,53),
485(53), 486(36,37), 490(51), 493(GEN), 494(23), 495(36,51),
496(55), 498(24), 499(54,56).
2. THE SUMMARY OF ALL HYDROLANT MESSAGES IN FORCE AS OF
12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
3. CANCEL HYDROLANT 132/03, 150/03, 440/03, 465/03.

(051140Z MAR 2003)

SECTION III

NM 12/03

501/03(GEN). MARITIME SAFETY INFORMATION DIVISION WEBSITE.

NIMA MARITIME SAFETY INFORMATION DIVISION WEBSITE INTERMITTENTLY UNUSABLE UNTIL FURTHER NOTICE. FOR URGENT SERVICE CONTACT
NIMA NAVSAFETY DSN: 287 3149, COMM: 1 800 362 6289 OR
301 227 3149, E-MAIL: NAVSAFETY@NIMA.MIL OR MSG TO
NIMA NAVSAFETY BETHESDA MD.

(051415Z MAR 2003)

502/03(37). BAY OF BISCAY.

1. HYDROGRAPHIC SURVEY BY M/V THALASSA:
 - A. 06 AND 07 MAR IN AREA BOUND BY
48-00N 006-20W, 47-00N 004-30W,
46-30N 005-00W, 47-20N 007-00W.
 - B. 08 AND 09 MAR IN AREA BOUND BY
47-30N 005-00W, 46-40N 005-30W,
45-40N 004-00W, 46-20N 003-30W.
WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 10 MAR.

(051620Z MAR 2003)

503/03(55). BLACK SEA. GUNNERY.

1. GUNNERY EXERCISES 0800Z TO 1700Z DAILY
10 THRU 14 MAR IN AREA BOUND BY
44-43.8N 032-52.2E, 44-34.8N 032-37.4E,
44-39.0N 032-11.5E, 44-48.4N 032-08.2E,
45-00.2N 032-14.2E, 44-52.2N 032-41.6E.
2. CANCEL THIS MSG 141800Z MAR.

(051700Z MAR 2003)

504/03. CANCELED.

505/03(36,37). BAY OF BISCAY.

1. 50 METER OBJECT ADRIFT VICINITY
47-37.4N 006-44.9W AT 052040Z MAR.
2. CANCEL THIS MSG 12 MAR.

(052255Z MAR 2003)

506/03(23). SOUTH ATLANTIC.

1. DERELICT S/V HEXAGON ADRIFT
VICINITY 45-30S 059-00W.
2. CANCEL HYDROLANT 494/03.
3. CANCEL THIS MSG 13 MAR.

(060220Z MAR 2003)

507/03(24). BRAZIL-EAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL 08 MAR BY
M/V RAMFORM EXPLORER TOWING EIGHT 6500 METER
LONG CABLES IN AREA BETWEEN
14-10S 14-51S AND 038-42W 038-50W.
FIVE MILE BERTH REQUESTED.
2. CANCEL THIS MSG 09 MAR.

(060820Z MAR 2003)

SECTION III**NAVAREA XII**

Messages in force 061200Z March 2003:

2001 series	178(GEN)	2003 series	61(GEN)	64(16)
298(GEN)	260(GEN)	54(19)	62(GEN)	65(18)
2002 series	339(GEN)	60(GEN)	63(GEN)	

The summary of all NAVAREA XII messages in force as of 12 December 2002 is given in Section III of NM 52/02.

NAVAREA XII WARNINGS issued from 261200Z February to 061200Z March 2003.

56/03 thru 59/03. CANCELED.

60/03(GEN). GPS SATELLITE SYSTEM.

1. PRN 06 UNUSABLE 071345Z TO 080145Z MAR.
2. CANCEL THIS MSG 080245Z MAR.

(041445Z MAR 2003)

61/03(GEN). NAVAL COORDINATION AND PROTECTION OF
SHIPPING (NCAPS) EXERCISE IN WATERS
OFF THE REPUBLIC OF KOREA (ROK).

1. THE U.S. NAVY, IN CONJUNCTION WITH U.S. FORCES KOREA (USFK)
AND THE REPUBLIC OF KOREA (ROK) GOVERNMENT, IS CONDUCTING
AN EXERCISE DURING THE FINAL TWO WEEKS OF MARCH 2003
IN WATERS OFF THE ROK.
2. REQUEST ALL U.S. FLAGGED AND U.S. OWNED FOREIGN FLAGGED
MERCHANT VESSELS WITHIN A 72 HOUR TRANSIT TIME OF THE ROK
CALL THE SHIPPING COORDINATION CENTER, PHONE: 011 82 540 5447.
REQUEST THESE VESSELS CALL DURING THE PERIOD 192300Z TO
272300Z MAR. ALL VESSELS MEETING THESE CRITERIA ARE
REQUESTED TO CALL, EVEN IF THEIR DESTINATION IS NOT THE ROK.
3. NCAPS PERSONNEL WILL ANSWER AND RECORD THE VESSEL'S NAME,
FLAG, IRCS, MASTER'S NAME AND CONTACT INFORMATION, POSITION,
COURSE, SPEED, LAST PORT, DESTINATION AND ETA. VESSELS
WHOSE DESTINATION IS THE ROK WILL BE PROVIDED A TELEPHONE
NUMBER AND BE ASKED TO CONTACT THAT PORT'S SHIPPING
COORDINATION TEAM 24 HOURS PRIOR TO ARRIVAL.
4. UNDERSTANDING THAT INMARSAT PHONE CALLS ARE EXPENSIVE,
NCAPS PERSONNEL ARE INSTRUCTED TO KEEP SUCH CALLS BRIEF AND
TO THE POINT. BECAUSE THIS IS AN EXERCISE, ALL CONTACTS MADE
WITH MERCHANT VESSELS ARE ON A "NOT TO INTERFERE BASIS;" NO
DIVERSTION ORDERS OR ANY OTHER ORDERS AFFECTING THE SAFE AND
TIMELY PASSAGE OF THE RESPONDING VESSELS WILL BE ISSUED.
5. VESSEL OPERATORS ARE REQUESTED TO PROMPTLY FORWARD THIS
ADVISORY TO THEIR VESSELS IN THE AffECTED AREA. THIS ADVISORY
WILL SUBSEQUENTLY BE PUBLISHED IN THE NATIONAL IMAGERY AND
MAPPING AGENCY (NIMA) WEEKLY NOTICE TO MARINERS AND ON THE
MARITIME SAFETY INFORMATION DIVISION HOMEPAGE AT
POLLUX.NSS.NIMA.MIL. PLEASE ADVISE MASTERS OF THE
IMPORTANCE OF NCAPS EXERCISES TO NATIONAL SECURITY
AND REQUEST THEIR COOPERATION.
6. FOR FURTHER INFORMATION REGARDING THIS ADVISORY CONTACT THE
MARITIME ADMINISTRATION, OFFICE OF SHIP OPERATIONS,
CODE MAR-613, ROOM 2123, 400 7TH STREET SW, WASHINGTON, DC,
20590; PHONE: 202 366 5735 OR BY EMAIL TO
OPCENTR1@MARAD.DOT.GOV.
7. CANCEL THIS MSG 01 APR.

(041833Z MAR 2003)

62/03(GEN).

1. NAVAREA XII MESSAGES IN FORCE 051000Z MAR 2003. ONLY THOSE
MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2003 SERIES: 54(19), 57(18), 60(GEN), 61(GEN).
2. THE SUMMARY OF ALL NAVAREA XII MESSAGES IN FORCE AS OF
12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
3. CANCEL NAVAREA XII 55/03.

(051020Z MAR 2003)

63/03(GEN). MARITIME SAFETY INFORMATION DIVISION WEBSITE.

NIMA MARITIME SAFETY INFORMATION DIVISION WEBSITE INTERMITTENTLY
UNUSABLE UNTIL FURTHER NOTICE. FOR URGENT SERVICE CONTACT
NIMA NAVSAFETY DSN: 287 3149, COMM: 1 800 362 6289 OR
301 227 3149, E-MAIL: NAVSAFETY@NIMA.MIL OR MSG TO
NIMA NAVSAFETY BETHESDA MD.

(051417Z MAR 2003)

SECTION III

64/03(16). ALASKA. BERING SEA. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 062200Z TO 070030Z MAR
WITHIN 500 YARDS OF 55-10N 164-30W.
2. CANCEL THIS MSG 070130Z MAR.

(052032Z MAR 2003)

65/03(18). EASTERN NORTH PACIFIC. MISSILES.

1. INTERMITTENT MISSILE FIRING OPERATIONS 0001Z TO 2359Z
DAILY MONDAY THRU SUNDAY IN THE NAVAL AIR WARFARE CENTER
SEA RANGE. THE MAJORITY OF MISSILE FIRINGS TAKE PLACE
1400Z TO 2359Z AND 0001Z TO 0200Z DAILY MONDAY THRU FRIDAY.

THE SEA RANGE IS BOUND AS FOLLOWS:

A. 34-02N 119-04W. M. THENCE THREE NAUTICAL MILES
FROM AND PARALLEL

B. 33-52N 119-06W.	TO THE SHORELINE.
C. 33-29N 119-07W.	N. 34-24N 120-30W.
D. 33-29N 118-37W.	O. 34-08N 120-26W.
E. 33-20N 118-37W.	P. 34-08N 119-40W.
F. 32-11N 120-16W.	Q. 34-00N 119-40W.
G. 31-54N 121-35W.	R. 34-06N 119-13W.
H. 35-09N 123-39W.	S. 34-06N 119-11W.
I. 35-29N 123-00W.	T. 34-07N 119-10W.
J. 35-04N 122-43W.	U. 34-07N 119-07W.
K. 35-57N 121-32W.	V. 34-04N 119-04W.
L. 34-59N 120-42W.	

2. VESSELS MAY BE REQUESTED TO ALTER COURSE WITHIN THE ABOVE AREA DUE TO FIRING OPERATIONS AND ARE REQUESTED TO CONTACT PLEAD CONTROL ON 5081.5 KHZ (5080 KHZ) OR 3238.5 KHZ (3237 KHZ) SECONDARY OR 156.8 MHZ (CH 16) OR 127.55 MHZ BEFORE ENTERING THE ABOVE BOUNDARIES AND MAINTAIN CONTINUOUS GUARD WHILE WITHIN THE RANGE.

3. VESSELS INBOUND AND OUTBOUND FOR SOUTHERN CALIFORNIA PORTS WILL CREATE THE LEAST INTERFERENCE TO FIRING OPERATIONS DURING THE SPECIFIC PERIODS, AS WELL AS ENHANCE THE VESSEL'S SAFETY WHEN PASSING THROUGH THE VICINITY OF THE SEA RANGE. IF THEY WILL TRANSIT VIA THE SANTA BARBARA CHANNEL AND WITHIN NINE MILES OFFSHORE VICINITY OF POINT MUGU OR CROSS THE AREA SOUTHWEST OF SAN NICOLAS ISLAND BETWEEN SUNSET AND SUNRISE.

4. CANCEL NAVAREA XII 57/03.

(061020Z MAR 2003)

SECTION III

HYDROPACS

Messages in force 061200Z March 2003:

2000 series	1315(62)	100(29)	237(81)	332(62)	379(81)
597(73)	1661(GEN)	109(29)	250(81)	333(62)	380(71)
1557(94)	1765(71)	124(62)	251(81)	336(71)	381(61)
2001 series	1843(22)	129(63)	253(62)	343(94,95)	383(94,97)
1556(71)	2057(71,93)	133(93)	268(62)	344(94,95)	386(19,81)
1636(96)	2111(62)	151(63)	280(81)	345(63)	387(74)
1647(GEN)	2191(22)	164(81,83)	281(97)	350(95)	388(63)
1976(62)	2199(63)	167(95)	298(63)	351(95)	390(GEN)
2002 series	2277(GEN)	170(81)	301(75)	355(62)	391(54,56)
146(62)	2330(62)	171(71,93)	303(81)	360(63)	392(GEN)
196(61)	2339(63)	185(19)	304(93)	361(63)	393(GEN)
205(GEN)	2402(22)	197(71)	309(74)	362(95)	394(75)
206(GEN)	2432(22)	207(62)	310(94,97)	363(95)	395(94)
207(93)	2437(72)	210(83)	311(81)	364(63)	396(22)
352(73)	2465(63)	215(GEN)	317(81)	365(63)	397(63)
403(72,73)	2003 series	221(81)	318(93)	366(74)	
637(75)	3(63)	225(63)	320(93)	368(75)	
828(62)	72(96)	232(93)	327(62)	369(23,29)	
1078(72)	74(63)	234(83)	328(97)	375(97)	

The summary of all HYDROPACS in force as of 12 December 2002 is given in Section III of NM 52/02.

HYDROPAC WARNINGS issued from 261200Z February to 061200Z March 2003.

350/03(95). SEA OF JAPAN. ORDNANCE.

1. BOMBING EXERCISES 0000Z TO 0700Z DAILY 03 THRU 08, 10 THRU 15, 17 THRU 22 AND 24 THRU 29 MAR IN AREA BOUND BY 38-08N 129-51E, 38-08N 130-10E, 37-39N 130-10E, 37-42N 129-51E.
2. CANCEL THIS MSG 290800Z MAR.

(261300Z FEB 2003)

351/03(95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 0000Z TO 1000Z DAILY 03 THRU 08, 10 THRU 15, 17 THRU 22 AND 24 THRU 29 MAR IN AREA BOUND BY 36-35.0N 125-36.0E, 36-35.0N 124-50.0E, 37-06.0N 124-50.0E, 37-10.2N 125-36.0E.
2. CANCEL THIS MSG 291100Z MAR.

(261400Z FEB 2003)

352/03 thru 354/03. CANCELED.

355/03(62). GULF OF SUEZ.

1. SEISMIC SURVEY IN PROGRESS UNTIL 31 MAR BY M/V GEO PACIFIC TOWING SIX 3000 METER LONG CABLES IN AREA BOUND BY 29-39N 032-25E, 29-42N 032-38E, 29-15N 032-52E, 29-15N 032-40E, 29-27N 032-30E. WIDE BERTH REQUESTED.
2. CANCEL HYDROPAC 305/03 AND 354/03(75).
3. CANCEL THIS MSG 01 APR.

(271300Z FEB 2003)

356/03 thru 359/03. CANCELED.

360/03(63). INDIA-WEST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0230Z TO 1230Z DAILY 01 THRU 07 MAR IN AREA BETWEEN 15-13N 15-11N AND 073-57E 073-52E.
2. CANCEL HYDROPAC 84/03(61).
3. CANCEL THIS MSG 071330Z MAR.

(280840Z FEB 2003)

361/03(63). ARABIAN SEA.

1. SURVEY OPERATIONS IN PROGRESS UNTIL 31 MAY BY M/V C-ORION TOWING FOUR 5000 METER LONG CABLES IN AREA BOUND BY 20-54.3N 066-42.7E, 21-35.5N 066-56.3E, 21-31.2N 067-11.0E, 20-50.0N 066-57.3E. WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 01 JUN.

(280940Z FEB 2003)

SECTION III

362/03(95). SEA OF JAPAN. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1300Z DAILY
03 THRU 08, 10 THRU 15, 17 THRU 22 AND
24 THRU 29 MAR IN AREA BOUND BY
38-25N 128-45E, 38-25N 129-30E,
38-10N 129-30E, 38-10N 129-00E,
38-17N 129-00E, 38-17N 128-45E.
2. CANCEL THIS MSG 291400Z MAR.

(281005Z FEB 2003)

363/03(95). YELLOW SEA. ORDNANCE.

1. BOMBING EXERCISES 0001Z TO 1300Z DAILY 03 THRU 08,
10 THRU 15, 17 THRU 22 AND 24 THRU 29 MAR IN
AREA BETWEEN 35-35N 36-00N AND 125-00E 125-30E.
2. CANCEL THIS MSG 291400Z MAR.

(281010Z FEB 2003)

364/03(63). INDIA-SOUTHWEST COAST. ROCKETS.

1. HAZARDOUS OPERATIONS 1330Z TO 1600Z DAILY 05 AND 06 MAR
WITHIN 75 MILES OF 08-31.9N 076-52.1E.
2. CANCEL THIS MSG 061700Z MAR.

(281120Z FEB 2003)

365/03(63). INDIA-SOUTHEAST COAST.

CHART 63220 (5TH ED).

1. LARGE STRUCTURE ESTABLISHED UNTIL 15 MAY
IN AREA BETWEEN 08-23N 08-25N AND
078-33E 078-38E. WIDE BERTH REQUESTED.
2. CANCEL THIS MSG 16 MAY.

(281150Z FEB 2003)

366/03(74). AUSTRALIA-NORTHWEST COAST.

CHART 74465 (2ND ED).

CAPE LEVEQUE LIGHT 16-23.8S 122-55.7E UNLIT.

(281210Z FEB 2003)

367/03. CANCELED.

368/03(75). AUSTRALIA-SOUTHEAST COAST.

1. SEISMIC SURVEY IN PROGRESS UNTIL FURTHER NOTICE BY
M/V WESTERN MONARCH TOWING SEVEN 3 MILE LONG CABLES
IN AREA BETWEEN 37-35S 40-30S AND 147-57E 151-08E.
WIDE BERTH REQUESTED.
2. CANCEL HYDROFAC 347/03 AND 358/03(22).

(010001Z MAR 2003)

369/03(23,29). SOUTH ATLANTIC. ICE.

1. ICEBERGS REPORTED ON 28 FEB IN:
 - A. A-38A, 22 MILES BY 48 MILES IN 62-24S 053-30W.
 - B. A-38B, 22 MILES BY 25 MILES IN 63-18S 051-30W.
 - C. A-38C, SEVEN MILES BY 11 MILES IN 60-36S 050-00W.
 - D. A-38D, TWO MILES BY TEN MILES IN 63-42S 052-24W.
 - E. A-43A, 14 MILES BY 35 MILES IN 67-30S 058-48W.
 - F. A-43C, 24 MILES BY 41 MILES IN 59-00S 037-54W.
 - G. A-43F, 22 MILES BY 44 MILES IN 66-30S 059-48W.
 - H. A-43J, FIVE MILES BY 17 MILES IN 67-30S 060-24W.
 - I. A-48, NINE MILES BY TEN MILES IN 63-48S 053-18W.
 - J. A-49, ONE MILE BY TEN MILES IN 63-06S 052-00W.
 - K. A-50, ONE MILE BY TEN MILES IN 63-30S 053-06W.
 - L. A-51, TWO MILES BY 14 MILES IN 67-18S 060-30W.
 - M. A-52, EIGHT MILES BY 22 MILES IN 65-30S 060-42W.
2. CANCEL HYDROFAC 340/03.
3. CANCEL THIS MSG 08 MAR.

(010340Z MAR 2003)

370/03 thru 374/03. CANCELED.

375/03(97). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED VICINITY 33-40.9N 168-17.0E AT 021300Z MAR.
VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO RCC HONOLULU,
TELEX: 392401, PHONE: 808 541 2500, FAX: 808 541 2133.

(021400Z MAR 2003)

376/03 thru 378/03. CANCELED.

SECTION III

NM 12/03

379/03(81). NORTH PACIFIC. TRUK ISLANDS.

19 FOOT VESSEL, THREE PERSONS ON BOARD, OVERDUE WENO TO LOSAP. VESSELS IN VICINITY REQUESTED TO KEEP A SHARP LOOKOUT, ASSIST IF POSSIBLE. REPORTS TO RCC GUAM, TELEX: 392401, PHONE: 671 339 6100, FAX: 671 339 6210.

(030750Z MAR 2003)

380/03(71). STRAIT OF MALACCA.

CHART 71265 (2ND ED). DANGEROUS WRECK MARKED BY BUOY VICINITY 01-15.0N 103-25.3E.

(030920Z MAR 2003)

381/03(61). INDIAN OCEAN. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS IN PROGRESS
UNTIL 312359Z MAR IN AREA BETWEEN
09-00S 13-00S AND 070-00E 073-00E.
2. CANCEL THIS MSG 010059Z APR.

(031040Z MAR 2003)

382/03. CANCELED.

383/03(94.97). EAST CHINA SEA. ORDNANCE.

1. UNDERWATER ORDNANCE DETONATIONS 052200Z TO 061200Z MAR,
ALTERNATE 062200Z TO 071200Z MAR WITHIN TEN MILES
OF TRACKLINES BETWEEN:
A. 24-32N 126-00E AND 25-07N 126-39E.
B. 23-04N 122-42E AND 22-28N 123-20E.
2. CANCEL THIS MSG 071300Z MAR.

(031140Z MAR 2003)

384/03 and 385/03. CANCELED.

386/03(19.81). NORTH PACIFIC.

DISTRESS SIGNAL RECEIVED ON 121.5 MHZ VICINITY
17-00N 178-30E AT 031535Z MAR. VESSELS IN
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO RCC HONOLULU,
TELEX: 392401, PHONE: 808 541 2500, FAX: 808 541 2123.

(031700Z MAR 2003)

387/03(74). AUSTRALIA-NORTHEAST COAST.

FIVE METER VESSEL, WHITE HULL, FOUR PERSONS ON BOARD,
OVERDUE BATT REEF (16-27.8S 145-49.3E) TO
YARRABAH (16-53.9S 145-52.0E). VESSELS IN
VICINITY REQUESTED TO KEEP A SHARP LOOKOUT,
ASSIST IF POSSIBLE. REPORTS TO RCC AUSTRALIA,
TELEX: 7162025, PHONE: 612 6230 6811,
FAX: 612 6230 6868.

(040300Z MAR 2003)

388/03(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 060230Z TO 060530Z AND
061230Z TO 061430Z MAR IN AREA BOUND BY
17-42.2N 083-18.6E, 17-42.1N 083-29.9E,
17-36.7N 083-28.5E, 17-32.7N 083-24.3E.
2. CANCEL THIS MSG 061530Z MAR.

(040950Z MAR 2003)

389/03. CANCELED.

390/03(GEN). NAVAL COORDINATION AND PROTECTION OF
SHIPPING (NCAPS) EXERCISE IN WATERS
OFF THE REPUBLIC OF KOREA (ROK).

1. THE U.S. NAVY, IN CONJUNCTION WITH U.S. FORCES KOREA (USFK)
AND THE REPUBLIC OF KOREA (ROK) GOVERNMENT, IS CONDUCTING
AN EXERCISE DURING THE FINAL TWO WEEKS OF MARCH 2003
IN WATERS OFF THE ROK.
2. REQUEST ALL U.S. FLAGGED AND U.S. OWNED FOREIGN FLAGGED
MERCHANT VESSELS WITHIN A 72 HOUR TRANSIT TIME OF THE ROK
CALL THE SHIPPING COORDINATION CENTER, PHONE: 011 82 540 5447.
REQUEST THESE VESSELS CALL DURING THE PERIOD 192300Z TO
272300Z MAR. ALL VESSELS MEETING THESE CRITERIA ARE
REQUESTED TO CALL, EVEN IF THEIR DESTINATION IS NOT THE ROK.
3. NCAPS PERSONNEL WILL ANSWER AND RECORD THE VESSEL'S NAME,
FLAG, IRCS, MASTER'S NAME AND CONTACT INFORMATION, POSITION,
COURSE, SPEED, LAST PORT, DESTINATION AND ETA. VESSELS
WHOSE DESTINATION IS THE ROK WILL BE PROVIDED A TELEPHONE
NUMBER AND BE ASKED TO CONTACT THAT PORT'S SHIPPING
COORDINATION TEAM 24 HOURS PRIOR TO ARRIVAL.
4. UNDERSTANDING THAT INMARSAT PHONE CALLS ARE EXPENSIVE,

SECTION III

NCAPS PERSONNEL ARE INSTRUCTED TO KEEP SUCH CALLS BRIEF AND TO THE POINT. BECAUSE THIS IS AN EXERCISE, ALL CONTACTS MADE WITH MERCHANT VESSELS ARE ON A "NOT TO INTERFERE BASIS;" NO DIVERSION ORDERS OR ANY OTHER ORDERS AFFECTING THE SAFE AND TIMELY PASSAGE OF THE RESPONDING VESSELS WILL BE ISSUED.

5. VESSEL OPERATORS ARE REQUESTED TO PROMPTLY FORWARD THIS ADVISORY TO THEIR VESSELS IN THE AFFECTED AREA. THIS ADVISORY WILL SUBSEQUENTLY BE PUBLISHED IN THE NATIONAL IMAGERY AND MAPPING AGENCY (NIMA) WEEKLY NOTICE TO MARINERS AND ON THE MARITIME SAFETY INFORMATION DIVISION HOMEPAGE AT POLLUX.NSS.NIMA.MIL. PLEASE ADVISE MASTERS OF THE IMPORTANCE OF NCAPS EXERCISES TO NATIONAL SECURITY AND REQUEST THEIR COOPERATION.
6. FOR FURTHER INFORMATION REGARDING THIS ADVISORY CONTACT THE MARITIME ADMINISTRATION, OFFICE OF SHIP OPERATIONS, CODE MAR-613, ROOM 2123, 400 7TH STREET SW, WASHINGTON, DC, 20590; PHONE: 202 366 5735 OR BY EMAIL TO OPCENTR1@MARAD.DOT.GOV.
7. CANCEL THIS MSG 01 APR.

(041840Z MAR 2003)

391/03(54,56). EASTERN MEDITERRANEAN SEA.

1. U.S. FORCES ARE CONDUCTING COMBAT TRAINING EXERCISES IN INTERNATIONAL WATERS OFF THE NORTHERN AND EASTERN COAST OF CYPRUS UNTIL FURTHER NOTICE. COMBAT EXERCISE ACTIVITIES MAY POSE A HAZARD TO NAVIGATION. ALL VESSELS ARE ADVISED TO NAVIGATE WITH EXTREME CAUTION.
2. REQUEST SURFACE VESSELS WITH DESTINATIONS AT PORTS IN SOUTHWESTERN TURKEY, NORTH AND EASTERN CYPRUS OR SYRIA REMAIN CLEAR OF THE FOLLOWING DESIGNATED OPERATING AREAS:
 - A. OPAREA ONE: 36-30N 034-40E, 36-12N 035-30E, 35-50N 035-30E, 35-50N 034-54E, 36-00N 034-36E, 35-45N 034-00E, 35-55N 034-00E.
 - B. OPAREA TWO: 35-25N 034-40E, 35-25N 035-30E, 34-40N 035-35E, 34-10N 035-10E, 34-10N 033-55E, 34-25N 033-55E, 34-55N 034-25E, 35-15N 034-25E.
3. ALL PORTS IN THIS AREA REMAIN OPEN. VESSELS WILL BE ABLE TO REACH PORTS IN SOUTHWESTERN TURKEY, NORTH AND EASTERN CYPRUS OR SYRIA BY TRANSITING WITHIN 12NM OF THE COAST OR IN INTERNATIONAL WATERS OUTSIDE THE OPAREAS IDENTIFIED BY THE COORDINATES ABOVE.
4. DURING THESE COMBAT TRAINING EXERCISES U.S. FORCES WILL BE OPERATING AT A HEIGHTENED STATE OF READINESS AND TAKING ADDITIONAL DEFENSIVE PRECAUTIONS AGAINST TERRORIST AND OTHER POTENTIAL THREATS. SURFACE VESSELS APPROACHING U.S. FORCES ARE REQUESTED TO MAINTAIN RADIO CONTACT WITH U.S. FORCES ON BRIDGE-TO-BRIDGE CHANNEL 16.
5. U.S. FORCES WILL EXERCISE APPROPRIATE MEASURES IN SELF-DEFENSE IF WARRANTED BY THE CIRCUMSTANCES. SURFACE VESSELS APPROACHING U.S. FORCES SHOULD MAKE THEIR INTENTIONS CLEAR AND AVOID UNNECESSARY INITIATION OF SUCH DEFENSIVE MEASURES BY INITIATING RADIO CONTACT AS DESCRIBED ABOVE.
6. NOTHING IN THIS WARNING IS INTENDED TO IMPEDE OR OTHERWISE INTERFERE WITH THE FREEDOM OF NAVIGATION OF ANY VESSEL, OR TO LIMIT OR EXPAND THE INHERENT SELF-DEFENSE RIGHTS OF U.S. FORCES. THIS WARNING IS PUBLISHED SOLELY TO ADVISE OF THE HEIGHTENED STATE OF READINESS OF U.S. FORCES AND TO REQUEST THAT RADIO CONTACT BE MAINTAINED AS DESCRIBED ABOVE.
7. CANCEL HYDROPAC 357/03.

(050850Z MAR 2003)

392/03(GEN).

1. HYDROPAC MESSAGES IN FORCE 051100Z MAR 2003. ONLY THOSE MESSAGES ISSUED DURING THE LAST SIX WEEKS ARE LISTED HEREIN.
2003 SERIES: 124(62), 129(63), 133(93), 151(63), 164(81,83), 167(95), 170(81), 171(71,93), 185(19), 197(71), 207(62), 210(83), 215(GEN), 221(81), 225(63), 232(93), 234(83), 237(81), 250(81), 251(81), 253(62), 268(62), 280(81), 281(97), 298(63), 301(75), 303(81), 304(93), 309(74), 310(94,97), 311(81), 317(81), 318(93), 320(93), 327(62), 328(97), 332(62), 333(62), 336(71), 343(94,95), 344(94,95), 345(63), 350(95), 351(95), 355(62), 360(63), 361(63), 362(95), 363(95), 364(63), 365(63), 366(74), 368(75), 369(23,29), 371(94), 375(97), 379(81), 380(71), 381(61), 383(94,97), 384(63), 386(19,81), 387(74), 388(63), 389(63), 390(63), 391(54,56).
2. THE SUMMARY OF ALL HYDROPAC MESSAGES IN FORCE AS OF 12 DEC 2002 IS GIVEN IN SEC III OF NM 52/02.
3. CANCEL HYDROPAC 2062/01, 1893/02, 41/03, 79/03, 86/03, 97/03, 111/03, 296/03, 349/03.

(051150Z MAR 2003)

SECTION III

NM 12/03

393/03(63). MARITIME SAFETY INFORMATION DIVISION WEBSITE.

NIMA MARITIME SAFETY INFORMATION DIVISION WEBSITE INTERMITTENTLY UNUSABLE UNTIL FURTHER NOTICE. FOR URGENT SERVICE CONTACT
NIMA NAVSAFETY DSN: 287 3149, COMM: 1 800 362 6289 OR
301 227 3149, E-MAIL: NAVSAFETY@NIMA.MIL OR MSG TO
NIMA NAVSAFETY BETHESDA MD.

(051425Z MAR 2003)

394/03(75). AUSTRALIA-EAST COAST.

CHART 75261 (6TH ED).
SYDNEY DPGS STATION 33-59S 150-59E INOPERATIVE.

(051730Z MAR 2003)

395/03(94). PHILIPPINE SEA. GUNNERY.

1. GUNNERY EXERCISES 0200Z TO 0530Z AND 0700Z
TO 1300Z DAILY 06 AND 08 MAR AND 0001Z TO
1000Z DAILY 11 AND 19 MAR IN AREA BOUND BY
23-43N 122-05E, 23-00N 122-05E,
23-20N 122-38E, 23-43N 122-38E.
2. CANCEL HYDROGRAPHIC 371/03.
3. CANCEL THIS MSG 191100Z MAR.

(051740Z MAR 2003)

396/03(22). STRAIT OF MAGELLAN.

1. DERELICT M/V SEAGULL II, ADRIFT VICINITY
53-23.4S 070-58.0W. REPORTS TO
ANY COASTAL RADIO STATION.
2. CANCEL THIS MSG 12 MAR.

(052350Z MAR 2003)

397/03(63). INDIA-EAST COAST. HAZARDOUS OPERATIONS.

1. HAZARDOUS OPERATIONS 0130Z TO 1630Z DAILY 06 AND 07 MAR
WITHIN 60 MILES OF 15-50.5N 080-29.5E.
2. CANCEL THIS MSG 071730Z MAR.

(060850Z MAR 2003)

MARAD ADVISORIES

MARAD ADVISORIES rapidly disseminate information on government policy, danger and safety issues pertaining to vessel operations and other timely maritime matters. They are periodically issued by the U.S. Maritime Administration (MARAD) to vessel masters, operators, and other U.S. maritime interests.

The text of all in-force MARAD ADVISORIES may be obtained by accessing the NIMA Maritime Safety Information website (http://164.214.12.145/warn/warn_j_query.html), by referring to Section I (paragraph 50) of US Notice to Mariners 1/03 for those in-force as of 19 December 2002, or by contacting the Maritime Administration Office of Ship Operations, Code MAR-613, Room 2123, 400 Seventh Street S.W., Washington DC 20590, Telephone (202) 366-5735, FAX (202) 366-3954, TLX II 710-822-9426 (MARAD DOT WSH).

MARAD ADVISORIES in force 6 March 2003: 00-7, 01-1, 01-5, 01-7, 02-2, 02-5, 02-7 and 03-2.

MARAD ADVISORY NO. 03-2 (041600Z MAR 2003)

TO: ALL OPERATORS OF U.S. FLAG, EFFECTIVE U.S. CONTROLLED VESSELS AND
OTHER MARITIME INTERESTS

1. THE U.S. NAVY, IN CONJUNCTION WITH U.S. FORCES KOREA (USFK) AND THE REPUBLIC OF KOREA (ROK) GOVERNMENT, IS CONDUCTING AN EXERCISE DURING THE FINAL TWO WEEKS OF MARCH 2003 IN WATERS OFF THE ROK.

2. REQUEST ALL U.S.-FLAGGED AND U.S.-OWNED FOREIGN FLAGGED MERCHANT VESSELS WITHIN A 72 HOUR TRANSIT TIME OF THE ROK CALL THE SHIPPING COORDINATION CENTER AT THE FOLLOWING PHONE NUMBER: 011-82-540-5447. REQUEST THESE VESSELS CALL DURING THE PERIOD 190800 (192300Z) AND 260800 (272300Z) MARCH 2003. ALL VESSELS MEETING THESE CRITERIA ARE REQUESTED TO CALL, EVEN IF THEIR DESTINATION IS NOT THE ROK.

3. NCAPS PERSONNEL WILL ANSWER AND RECORD THE VESSEL'S NAME, FLAG, IRCS, MASTER'S NAME AND CONTACT INFORMATION, POSITION, COURSE, SPEED, LAST PORT, DESTINATION, AND ETA. VESSELS WHOSE DESTINATION IS THE ROK WILL BE PROVIDED A TELEPHONE NUMBER AND BE ASKED TO CONTACT THAT PORT'S SHIPPING COORDINATION TEAM 24 HOURS PRIOR TO ARRIVAL.

4. UNDERSTANDING THAT INMARSAT PHONE CALLS ARE EXPENSIVE, NCAPS PERSONNEL ARE INSTRUCTED TO KEEP SUCH CALLS BRIEF AND TO THE POINT. BECAUSE THIS IS AN EXERCISE, ALL CONTACTS MADE WITH MERCHANT VESSELS ARE ON A {NOT-TO-INTERFERE-BASIS;} NO DIVERSION ORDERS OR ANY OTHER ORDERS AFFECTING THE SAFE AND TIMELY PASSAGE OF THE RESPONDING VESSELS WILL BE ISSUED.

5. THIS ADVISORY IS CANCELED UPON CONCLUSION OF THE EXERCISE.

6. VESSEL OPERATORS ARE REQUESTED TO PROMPTLY FORWARD THIS ADVISORY

SECTION III

TO THEIR VESSELS IN THE AFFECTED AREA. THIS ADVISORY WILL SUBSEQUENTLY BE PUBLISHED IN THE NATIONAL IMAGERY AND MAPPING AGENCY (NIMA) WEEKLY NOTICE TO MARINERS AND ON THE MARITIME SAFETY INFORMATION DIVISION HOMEPAGE AT POLLUX.NSS.NIMA.MIL. PLEASE ADVISE MASTERS OF THE IMPORTANCE OF NCAPS EXERCISES TO NATIONAL SECURITY AND REQUEST THEIR COOPERATION.

7. FOR FURTHER INFORMATION REGARDING THIS ADVISORY, CONTACT THE MARITIME ADMINISTRATION, OFFICE OF SHIP OPERATIONS, DIVISION OF OPERATIONS SUPPORT, CODE MAR-613, ROOM 2122, 400 SEVENTH STREET SW, WASHINGTON, DC 20590; TELEPHONE 202-366-5735, FAX 202-366-3702, OR BY EMAIL TO OPCENTR1@MARAD.DOT.GOV

SPECIAL WARNINGS

SPECIAL WARNINGS, primarily intended to announce official government proclamations affecting shipping, are broadcast as needed. They are numbered consecutively and further promulgated in the Notice to Mariners.

The text of all in-force SPECIAL WARNINGS may be obtained by accessing the NIMA Maritime Safety Information website (http://164.214.12.145/warn/warn_j_query.html) or by referring to Section I (paragraph 7) of US Notice to Mariners 1/03 for those in-force as of 19 December 2002.

SPECIAL WARNINGS in force 6 March 2003: 1, 29, 77, 81, 82, 89, 92, 95, 107, 108, 111, 113, 114, 115, 116, 117, 118, 119 and 120.

MARINE INFORMATION**UNITED STATES COAST GUARD NAVIGATION INFORMATION SERVICE**

The United States Coast Guard Navigation Information Service (NIS), operated by the USCG Navigation Center, provides information for all radionavigation systems. The NIS is staffed 24 hours a day, 7 days a week, providing information on the current operational status, effective policies, and general information for GPS, DGPS, and LORAN-C. The NIS also disseminates Safety Broadcasts (BNM), Local Notice to Mariners (LNM) and the latest Notice Advisory to Navstar Users (NANU). NANU notices can also be obtained via e-mail subscription through the USCG Navigation Center website (<http://www.navcen.uscg.gov/gps/default.htm>). In addition, the NIS investigates all reports of degraded or loss of GPS, DGPS or LORAN-C service. Mariners are encouraged to report all degradation of radionavigation services to the NIS via any of the following: Phone: 703-313-5900, Email: webmaster@navcen.uscg.mil, or on the World Wide Web at <http://www.navcen.uscg.gov>.

MARINE INFORMATION REPORT AND SUGGESTION SHEET INSTRUCTIONS

We value your suggestions to improve our products. The Marine Information Report and Suggestion Sheet is provided for users to submit corrective information. Please be complete and accurate in your description/suggestion and include the information as detailed below:

Observer: name(s) of person(s) making observation and rank, rate or title.

Ship/Organization: name of vessel or organization.

Address: complete mailing address. Also include telephone number, fax, and/or e-mail address, if available, in case clarification is required.

Date of Observation: day, month and year at which the observation was made.

Time of Observation: local time at which the observation was made.

Latitude/Longitude: exact position of the observation expressed as accurately as possible.

Datum: horizontal datum to which the observed position is referred (e.g. WGS, NAD83, local foreign datum, etc.).

Navigation System: method used to determine the position of the observation (e.g. radar, GPS, Loran, etc.).

Include details about the equipment used, if deemed pertinent.

Verified by Navigator: indicate whether observation was verified by navigator.

Product(s) Affected: product number(s) and/or name(s) to which the observation applies (e.g. Chart 62400, Sailing Directions Pub. 127, etc.).

Edition: edition number and/or year of affected product.

Latest correction applied: the latest Notice to Mariners to which your copy of affected product has been corrected.

Sounding sensor or method used: equipment or method used to collect soundings. When reporting soundings, please provide an annotated echogram, if available, for verification.

Soundings corrected for draft: indicate whether soundings have been corrected for vessel's draft. If not, please include observed draft along with the details of information reported.

Details of Information Reported: use this space to provide details of the observation/suggestion. When referring to a charted feature, please describe it exactly as it appears on the chart. When referring to a publication, please indicate page number(s) and line number(s) or station number(s) as applicable. Use additional sheets as necessary and include diagrams, photocopies of the product(s) involved and/or photographs to describe observations in greater detail. If possible, include the designation, point of contact, telephone number, fax number and/or e-mail address of the local port authority to enable NIMA to update our records and obtain additional or later information.

User Feedback: use this space to provide feedback and suggestions for improving NIMA's products and services.

Please detach, fold and mail the pre-addressed form and include any other relevant material or supporting information.

Reports which present an immediate hazard to navigation should be sent to the nearest NAVAREA Coordinator via coast radio stations. In general, these hazards would include major aids to navigation anomalies, discovery of obstructions or shoals with depths of less than 30 meters, floating dangers to shipping, and any situation deemed critical to safety of life at sea. For further information consult Notice to Mariners No. 1, paragraph 44 (Worldwide Navigational Warnings Service).

Due to the large volume of information received, NIMA cannot acknowledge receipt of every report. Some reports containing useful data are filed for use in the compilation of the next edition of the affected product. Others confirm or clarify previously reported information. Echogram traces are digitized and become part of NIMA's Bathymetric Data Base. Acknowledgment is made by inclusion in the Observer's List of the Notice to Mariners (page ii), or in some cases by letter from the Agency involved.

For additional information about various Hydrographic Reports, consult The American Practical Navigator (Chapter 30).

MARINE INFORMATION REPORT AND SUGGESTION SHEET

Observer _____ Ship/Organization _____

Address _____

Email address

Date of Observation _____ Time of Observation (Local)_____

Latitude _____ Longitude _____ Datum _____

Navigation System _____ Verified by Navigator: Yes _____ No _____

Product(s) Affected _____ Edition _____

Latest correction applied: N.M. _____

Sounding sensor or method used

Sounding(s) corrected for draft: Yes No

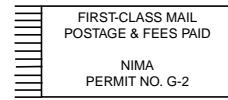
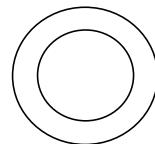
Details of Information Reported (continue on additional sheets as necessary) _____

www.nature.com/scientificreports/

User Feedback (continue on additional sheets as necessary)



**MARITIME SAFETY INFORMATION DIVISION
ST D44
NATIONAL IMAGERY AND MAPPING AGENCY
4600 SANGAMORE ROAD
BETHESDA MD 20816-5003**



ARCTIC MARITIME SAFETY INFORMATION REPORT SHEET

Observer _____

Ship/Organization _____

Phone _____ Email Address_____

Describe Hazard (e.g. dredge, buoy, current meter, operations): _____

Depth water column is occupied (e.g. "bottom to surface", "surface to 500m"): _____

Digitized by srujanika@gmail.com

If observed, Date _____ Time (Local) _____

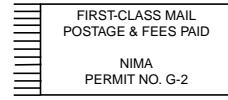
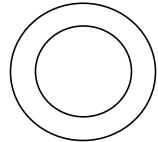
Verified by Navigator: Yes No

Bounding(s) corrected for draft: Yes _____ No _____

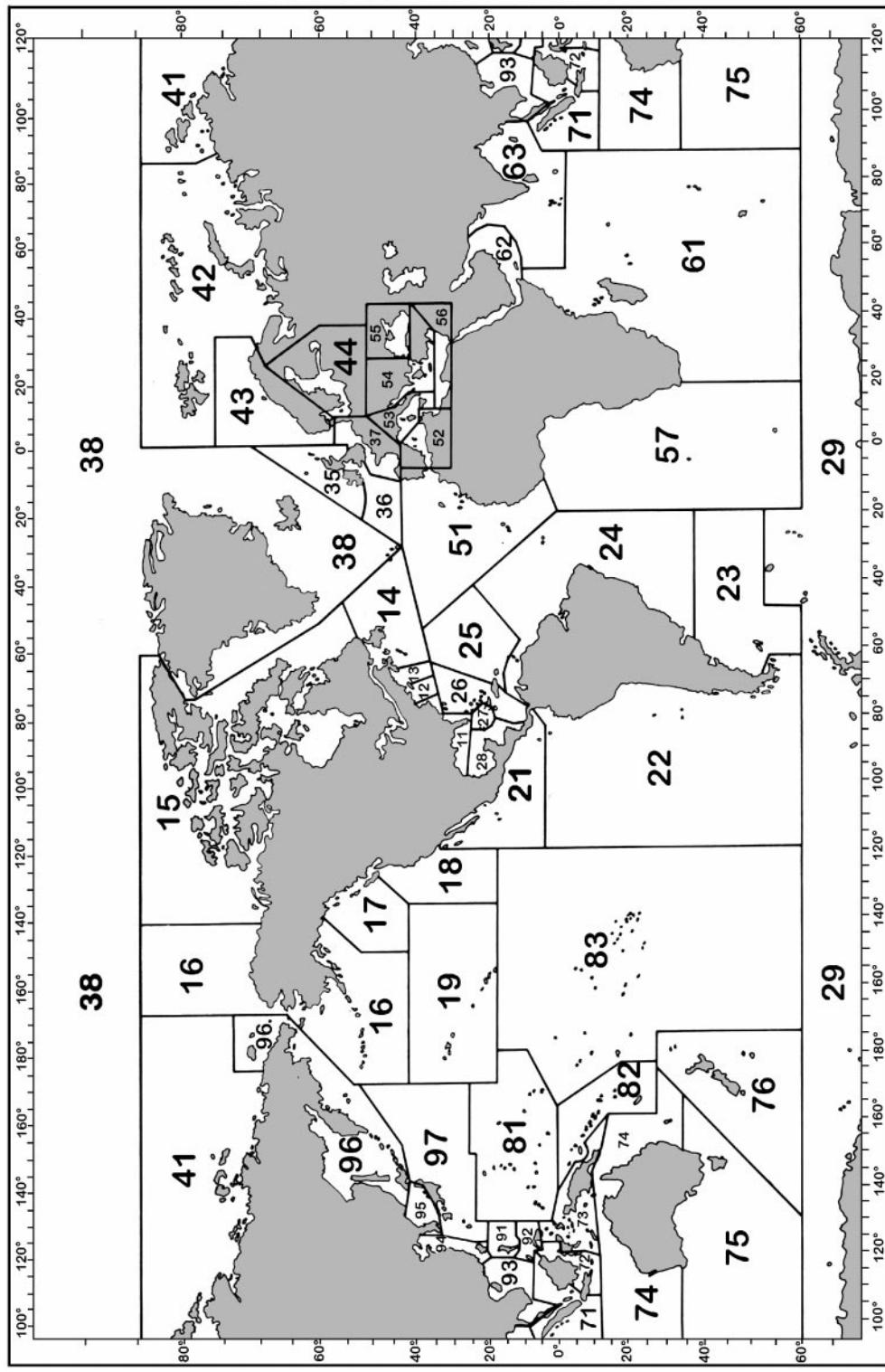
Details of Information Reported (continue on additional sheets as necessary). _____



**MARITIME SAFETY INFORMATION DIVISION
ST D44
NATIONAL IMAGERY AND MAPPING AGENCY
4600 SANGAMORE ROAD
BETHESDA MD 20816-5003**



GEOGRAPHIC LOCATOR



For chart numbering purposes, the world is divided into nine regions, each corresponding to the geographic limits of one of the nine regions in the NIMA Catalog of Maps, Charts, and Related Products, Part 2-Hydrographic Products, Volume 1. Each Region is further subdivided into the numbered Subregions in the above graphic. The first two digits of all five-digit chart numbers indicate the geographic subregion to which the chart pertains. Users can locate corrections in this Notice for charts of their immediate interest by determining the two-digit Sub-region number of the pertinent geographic area, and then turning to the page or pages that list the chart numbers beginning with those two digits.

AFTER 5 DAYS RETURN TO

DEFENSE SUPPLY CENTER RICHMOND

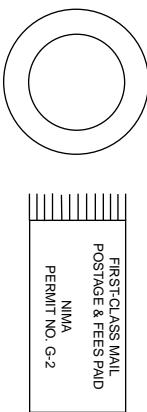
ATTN: JNAH

8000 JEFFERSON DAVIS HIGHWAY
RICHMOND, VIRGINIA 23297-5338

OFFICIAL BUSINESS

PENALTY FOR PRIVATE USE \$500

FIRST CLASS



**IMPORTANT
NAVIGATIONAL INFORMATION
TIME-DATED**



**NOTICE TO
MARINERS**

PLEASE EXPEDITE DELIVERY